

REMEDIAL SITE ASSESSMENT DECISION - EPA REGION IV

Site Name: SUMTER TREAT SITE

EPA ID#: SCD981474729

Alias Site Names: _____

City: Sumter

County or Parish: Sumter Co.

State: SC

Refer to Report Dated: 9/28/94

Report type: ESI

Report developed by: SCDHEC

DECISION:

☒ 1. Further Remedial Site Assessment under CERCLA (Superfund) is not required because:

☒ 1a. Site does not qualify for further remedial site assessment under CERCLA (Site Evaluation Accomplished - SEA)

☐ 1b. Site may qualify for further action, but is deferred to: ☐ RCRA ☐ NRC

☐ 2. Further Assessment Needed Under CERCLA:

2a. (optional) Priority: ☐ Higher ☐ Lower

2b. Activity Type: ☐ PA ☐ ESI
☐ SI ☐ HRS evaluation

☐ Other: _____

DISCUSSION/RATIONALE: Closed out landfill under post closure monitoring by SCDHEC. Soil + shallow groundwater contaminated with metals + VOCs, however no targets are being impacted and migration potential is minimal. Not NPL Caliber. NFRAP

10079468



Report Reviewed

and Approved by: Earl Bozean

Signature: Earl L. Bozean Date: 12/29/94

Site Decision

Made by: Earl Bozean

Signature: Earl L. Bozean Date: 12/29/94

SITE SUMTER INERT SITE (STATE) STATE SC MANAGER HAROLD SEABROOK
PROJECT # 94-0234 SHIPWEEK 01/10/94

SOILVOA BOOKED	8	DATA RECEIVED	02/23/94	FOR	7	SAMPLES
H2OVOA BOOKED	8	DATA RECEIVED	03/02/94	FOR	7	SAMPLES
SOILEXT BOOKED	8	DATA RECEIVED	02/23/94	FOR	7	SAMPLES
H2OEXT BOOKED	7	DATA RECEIVED	02/23/94	FOR	6	SAMPLES
SOILPEST BOOKED	0	DATA RECEIVED	/ /	FOR	0	SAMPLES
H2OPEST BOOKED	7	DATA RECEIVED	/ /	FOR	0	SAMPLES
SOILMET BOOKED	8	DATA RECEIVED	03/08/94	FOR	7	SAMPLES
H2OMET BOOKED	7	DATA RECEIVED	03/08/94	FOR	6	SAMPLES
SOILCN BOOKED	8	DATA RECEIVED	03/08/94	FOR	7	SAMPLES
H2OCN BOOKED	7	DATA RECEIVED	03/08/94	FOR	6	SAMPLES

SOILOTH1 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
SOILOTH2 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
H2OOTH1 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
H2OOTH2 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
OTHER1 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
OTHER2 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES

LAB(CLP/ESD/FASP/QTMT) CLP

REMARKS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV
Environmental Services Division
College Station Road, Athens, Ga. 30613

*****MEMORANDUM*****

DATE: 03/03/94

SUBJECT: Results of Metals Analysis;
94-0234 SUMTER INERT SITE
SUMTER SC
CASE NO: 21510

FROM: Charles H. Hooper
Chief, Laboratory Evaluation/Quality Assurance Section

TO: HAROLD SEABROOK

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

INORGANIC DATA QUALIFIERS REPORT

Case Number: 21510

Project Number: 94-0234

Site: Sumter Inert Site, Sumter, SC

Element	Flag	Samples Affected	Reason
<u>A. Water</u>			
Be, Cd, Cr, Co, Pb, Ag, V	U	All positives > IDL, but < CRDL	Baseline instability
Al, Ba, Cu, Fe, Mg, K, Na, Zn	U	All positives > IDL, but < 10X contaminant level	Positives in blanks
Sb	J R	All positives All negatives	Matrix spike recovery = 11.4%
Cr	J	All	Matrix spike recovery = 71.8%
V	J	All	Matrix spike recovery = 73.4%
Zn	J	All	Matrix spike recovery = 73.4%
CN	J	All	Matrix spike recovery = 69%
Ca	J	All	Serial dilution percent difference = 12.8%
Al	J	All positives	Blind spike recovery = 182%
Mn	J	All positives	Blind spike recovery = 206%
All Metals	J	All	pH > 2.0 when received by the laboratory
CN	J	All	pH < 12.0 when received by the laboratory
Be	JN	MDGJ62	Suspected positive interference from high levels of Al and Fe (>200,000 ug/L each)
Co	J	MDGJ50	% RSD > 20% for ICP multiple exposures
Sb	U	MDGJ64	% RSD > 20% for ICP multiple exposures and result > IDL, but < CRDL
Se	U	MDGJ61	% RSD > 20% for ICP multiple exposures and result > IDL, but < CRDL
Se	J	MDGJ62	Only 2X CRDL standard required for ICP analysis by SOW
<u>B. Soil</u>			
Be, Cd, Cr, Co, Pb, Ag, V	U	All positives > IDL, but < CRDL	Baseline instability
Al, Ca, Cu, Fe, Mg, Na, Zn	U	All positives > IDL, but < 10X contaminant level	Positives in blanks

INORGANIC DATA QUALIFIERS REPORT (continued)

Case Number: 21510

Project Number: 94-0234

Site: Sumter Inert Site, Sumter, SC

Element	Flag	Samples Affected	Reason
Sb	J	All positives	Matrix spike recovery = 22.5%
	R	All negatives	
Hg	J	All positives	Matrix spike recovery = 130.5%
Al	J	All positives	Blind spike recovery = 182%
Mn	J	All positives	Blind spike recovery = 206%
Ni	J	MDGJ52, 55, 60, & 65	% RSD > 20% for ICP multiple exposures
K	J	MDGJ55	% RSD > 20% for ICP multiple exposures
Tl	U	MDGJ53 & 54	%RSD > 20% for ICP multiple exposures and result > IDL, but < CRDL
As	U	MDGJ57 & 60	%RSD > 20% for ICP multiple exposures and result > IDL, but < CRDL
As	J	MDGJ55	Only 2X CRDL standard required for ICP analysis by SOW

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

METALS DATA REPORT

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*** **
** PROJECT NO. 94-0234  SAMPLE NO. 82102  SAMPLE TYPE: SOIL  PROG ELEM: NSF  COLLECTED BY: FM CARNS  **
** SOURCE: SUMTER INERT SITE  CITY: SUMTER  ST: SC  **
** STATION ID: SB-01  COLLECTION START: 01/12/94  1010  STOP: 00/00/00  **
** CASE NUMBER: 21510  SAS NUMBER:  MD NUMBER: GJ53  **
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*** **
MG/KG  ANALYTICAL RESULTS
17000J  ALUMINUM
3.1UR  ANTIMONY
6.8  ARSENIC
10  BARIUM
1U  BERYLLIUM
0.23U  CADMIUM
60U  CALCIUM
28  CHROMIUM
0.46U  COBALT
6U  COPPER
23000  IRON
7.8  LEAD
150  MAGNESIUM

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*** **
MG/KG  ANALYTICAL RESULTS
7.9J  MANGANESE
0.06U  MERCURY
2.2J  NICKEL
110  POTASSIUM
0.64U  SELENIUM
0.94U  SILVER
130U  SODIUM
2U  THALLIUM
NA  TIN
61  VANADIUM
6U  ZINC
16  PERCENT MOISTURE

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REMARKS

REMARKS

FOOTNOTES

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*A-AVERAGE VALUE  *NA-NOT ANALYZED  *NAI-INTERFERENCES  *J-ESTIMATED VALUE  *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN  *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

METALS DATA REPORT

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***
** PROJECT NO. 94-0234   SAMPLE NO. 82103   SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: FM CARNS   **
** SOURCE: SUMTER INERT SITE   CITY: SUMTER   ST: SC   **
** STATION ID: SB-02   COLLECTION START: 01/12/94   1150   STOP: 00/00/00   **
** CASE NUMBER: 21510   SAS NUMBER:   MD NUMBER: GJ54   **
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MG/KG
7400J ALUMINUM
3.4UR ANTIMONY
4.9 ARSENIC
48 BARIUM
1U BERYLLIUM
1U CADMIUM
26000 CALCIUM
62 CHROMIUM
5U COBALT
20U COPPER
12000 IRON
37 LEAD
3900 MAGNESIUM

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ANALYTICAL RESULTS

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MG/KG
130J MANGANESE
0.47J MERCURY
31 NICKEL
360 POTASSIUM
0.70U SELENIUM
1U SILVER
210U SODIUM
1U THALLIUM
NA TIN
21 VANADIUM
210 ZINC
26 PERCENT MOISTURE

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ANALYTICAL RESULTS

REMARKS

REMARKS

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

METALS DATA REPORT

*** **
** PROJECT NO. 94-0234 SAMPLE NO. 82104 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SB-03 COLLECTION START: 01/12/94 1040 STOP: 00/00/00 **
** CASE NUMBER: 21510 SAS NUMBER: MD NUMBER: GJ55 **
**

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
4200J	ALUMINUM	27J	MANGANESE
2.9UR	ANTIMONY	0.1UJ	MERCURY
1.8J	ARSENIC	1.1J	NICKEL
14	BARIUM	67J	POTASSIUM
1U	BERYLLIUM	0.60U	SELENIUM
0.21U	CADMIUM	0.88U	SILVER
430	CALCIUM	110U	SODIUM
4.2	CHROMIUM	0.79U	THALLIUM
1U	COBALT	NA	TIN
4U	COPPER	20U	VANADIUM
4000	IRON	20U	ZINC
10	LEAD	11	PERCENT MOISTURE
140	MAGNESIUM		

REMARKS

REMARKS

FOOTNOTES

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

METALS DATA REPORT

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*** **
** PROJECT NO. 94-0234  SAMPLE NO. 82105  SAMPLE TYPE: SOIL  PROG ELEM: NSF  COLLECTED BY: FM CARNS  **
** SOURCE: SUMTER INERT SITE  CITY: SUMTER  ST: SC  **
** STATION ID: SB-04  COLLECTION START: 01/12/94  1225  STOP: 00/00/00  **
** CASE NUMBER: 21510  SAS NUMBER:  MD NUMBER: GJ56  **
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MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
11000	ALUMINUM	17J	MANGANESE
3UR	ANTIMONY	0.1UJ	MERCURY
3.6	ARSENIC	2.8	NICKEL
16	BARIUM	180	POTASSIUM
1U	BERYLLIUM	0.63U	SELENIUM
0.22U	CADMIUM	0.92U	SILVER
420	CALCIUM	110	SODIUM
16	CHROMIUM	0.83U	THALLIUM
1U	COBALT	NA	TIN
3U	COPPER	34	VANADIUM
14000	IRON	7U	ZINC
11	LEAD	15	PERCENT MOISTURE
180	MAGNESIUM		

REMARKS

REMARKS

FOOTNOTES

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

METALS DATA REPORT

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*** **
** PROJECT NO. 94-0234  SAMPLE NO. 82106  SAMPLE TYPE: SOIL  PROG ELEM: NSF  COLLECTED BY: FM CARNS  **
** SOURCE: SUMTER INERT SITE  CITY: SUMTER  ST: SC  **
** STATION ID: SD-05  COLLECTION START: 01/12/94  1030  STOP: 00/00/00  **
** CASE NUMBER: 21510  SAS NUMBER:  MD NUMBER: GJ57  **
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*** **
MG/KG  ANALYTICAL RESULTS
6900J  ALUMINUM
5.1UR  ANTIMONY
2U     ARSENIC
50     BARIUM
1U     BERYLLIUM
0.38U  CADMIUM
27000  CALCIUM
9.1    CHROMIUM
2U     COBALT
8U     COPPER
6900   IRON
29     LEAD
610    MAGNESIUM

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*** **
MG/KG  ANALYTICAL RESULTS
91J    MANGANESE
0.10U  MERCURY
3.7    NICKEL
420    POTASSIUM
1.1U   SELENIUM
1.6U   SILVER
220U   SODIUM
1.4U   THALLIUM
NA     TIN
20U    VANADIUM
60     ZINC
50     PERCENT MOISTURE

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REMARKS

REMARKS

FOOTNOTES

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

METALS DATA REPORT

** PROJECT NO. 94-0234 SAMPLE NO. 82107 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SW-05 COLLECTION START: 01/12/94 1015 STOP: 00/00/00 **
** CASE NUMBER: 21510 SAS NUMBER: MD NUMBER: GJ58 **
**

*** UG/L ANALYTICAL RESULTS ***		*** UG/L ANALYTICAL RESULTS ***	
220UJ	ALUMINUM	50J	MANGANESE
20UR	ANTIMONY	0.20UJ	MERCURY
3UJ	ARSENIC	5UJ	NICKEL
23J	BARIUM	1300J	POTASSIUM
1UJ	BERYLLIUM	3UJ	SELENIUM
2UJ	CADMIUM	3UJ	SILVER
2200J	CALCIUM	3800J	SODIUM
3UJ	CHROMIUM	4UJ	THALLIUM
3UJ	COBALT	NA	TIN
8UJ	COPPER	3UJ	VANADIUM
790J	IRON	5U	ZINC
4UJ	LEAD		
1300J	MAGNESIUM		

REMARKS
SAMPLE RECEIVED WITH A PH GREATER THAN 2

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

METALS DATA REPORT

** PROJECT NO. 94-0234 SAMPLE NO. 82108 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SW-08 COLLECTION START: 01/12/94 1200 STOP: 00/00/00 **
** CASE NUMBER: 21510 SAS NUMBER: MD NUMBER: GJ59 **
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UG/L
290UJ ALUMINUM
20UR ANTIMONY
3UJ ARSENIC
20UJ BARIUM
1UJ BERYLLIUM
2UJ CADMIUM
1100J CALCIUM
3UJ CHROMIUM
3UJ COBALT
7UJ COPPER
520J IRON
4J LEAD
1100J MAGNESIUM

ANALYTICAL RESULTS

UG/L
33J MANGANESE
0.20UJ MERCURY
5UJ NICKEL
1100UJ POTASSIUM
3UJ SELENIUM
3UJ SILVER
2900J SODIUM
4UJ THALLIUM
NA TIN
3UJ VANADIUM
5UJ ZINC

ANALYTICAL RESULTS

REMARKS
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REMARKS

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

METALS DATA REPORT

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*** **
** PROJECT NO. 94-0234  SAMPLE NO. 82109  SAMPLE TYPE: SOIL  PROG ELEM: NSF  COLLECTED BY: FM CARNS  **
** SOURCE: SUMTER INERT SITE  CITY: SUMTER  ST: SC  **
** STATION ID: SD-08  COLLECTION START: 01/12/94  1215  STOP: 00/00/00  **
** CASE NUMBER: 21510  SAS NUMBER:  MD NUMBER: GJ60  **
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MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
3700J	ALUMINUM	64J	MANGANESE
3.4UR	ANTIMONY	0.06U	MERCURY
1U	ARSENIC	1.6J	NICKEL
16	BARIUM	140	POTASSIUM
0.03U	BERYLLIUM	0.70U	SELENIUM
0.25U	CADMIUM	1U	SILVER
320	CALCIUM	140U	SODIUM
4.1	CHROMIUM	0.92U	THALLIUM
2U	COBALT	NA	TIN
3U	COPPER	9U	VANADIUM
3300	IRON	7U	ZINC
5.6	LEAD	23	PERCENT MOISTURE
230	MAGNESIUM		

FOOTNOTES

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

METALS DATA REPORT

** PROJECT NO. 94-0234 SAMPLE NO. 82110 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: MW-09 COLLECTION START: 01/12/94 1055 STOP: 00/00/00 **
** CASE NUMBER: 21510 SAS NUMBER: MD NUMBER: GJ61 **
**

UG/L ANALYTICAL RESULTS
230000J ALUMINUM
20UR ANTIMONY
49J ARSENIC
370J BARIUM
50J BERYLLIUM
30J CADMIUM
20000J CALCIUM
290J CHROMIUM
200J COBALT
800J COPPER
170000J IRON
190J LEAD
6500J MAGNESIUM

UG/L ANALYTICAL RESULTS
180J MANGANESE
0.200J MERCURY
48J NICKEL
4800J POTASSIUM
40J SELENIUM
70J SILVER
3100J SODIUM
40J THALLIUM
NA TIN
470J VANADIUM
1000J ZINC

REMARKS
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REMARKS

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

METALS DATA REPORT

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*** **
** PROJECT NO. 94-0234 SAMPLE NO. 82111 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: MW-12 COLLECTION START: 01/12/94 1215 STOP: 00/00/00 **
** CASE NUMBER: 21510 SAS NUMBER: MD NUMBER: GJ62 **
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UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
230000J	ALUMINUM	260J	MANGANESE
20UR	ANTIMONY	0.20UJ	MERCURY
65J	ARSENIC	45J	NICKEL
380J	BARIUM	5100J	POTASSIUM
6JN	BERYLLIUM	4J	SELENIUM
3UJ	CADMIUM	10UJ	SILVER
21000J	CALCIUM	4400J	SODIUM
400J	CHROMIUM	4UJ	THALLIUM
20UJ	COBALT	NA	TIN
90UJ	COPPER	610J	VANADIUM
240000J	IRON	100UJ	ZINC
200J	LEAD		
6500J	MAGNESIUM		

REMARKS
SAMPLE RECEIVED WITH A PH GREATER THAN 2

REMARKS

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

METALS DATA REPORT

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*** **
** PROJECT NO. 94-0234  SAMPLE NO. 82112  SAMPLE TYPE: GROUNDWA  PROG ELEM: NSF  COLLECTED BY: FM CARNS  **
** SOURCE: SUMTER INERT SITE  CITY: SUMTER  ST: SC  **
** STATION ID: MW-10  COLLECTION START: 01/12/94  1310  STOP: 00/00/00  **
** CASE NUMBER: 21510  SAS NUMBER:  MD NUMBER: GJ63  **
**

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UG/L ANALYTICAL RESULTS

17000J ALUMINUM
20UR ANTIMONY
11J ARSENIC
220J BARIUM
10J BERYLLIUM
20J CADMIUM
97000J CALCIUM
29J CHROMIUM
30J COBALT
68J COPPER
21000J IRON
96J LEAD
14000J MAGNESIUM

UG/L ANALYTICAL RESULTS

1200J MANGANESE
0.200J MERCURY
14J NICKEL
21000J POTASSIUM
30J SELENIUM
30J SILVER
34000J SODIUM
40J THALLIUM
NA TIN
300J VANADIUM
2200J ZINC

REMARKS
SAMPLE RECEIVED WITH A PH GREATER THAN 2

REMARKS

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

METALS DATA REPORT

```

*** **
** PROJECT NO. 94-0234 SAMPLE NO. 82113 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: MW-11 COLLECTION START: 01/12/94 1420 STOP: 00/00/00 **
** CASE NUMBER: 21510 SAS NUMBER: MD NUMBER: GJ64 **
**

```

UG/L ANALYTICAL RESULTS

17000J ALUMINUM
40UJ ANTIMONY
50J ARSENIC
790J BARIUM
1UJ BERYLLIUM
5J CADMIUM
290000J CALCIUM
46J CHROMIUM
20UJ COBALT
320J COPPER
67000J IRON
390J LEAD
85000J MAGNESIUM

UG/L ANALYTICAL RESULTS

1900J MANGANESE
0.26J MERCURY
130J NICKEL
150000J POTASSIUM
3UJ SELENIUM
3UJ SILVER
98000J SODIUM
4UJ THALLIUM
NA TIN
40UJ VANADIUM
2900J ZINC

REMARKS
SAMPLE RECEIVED WITH A PH GREATER THAN 2

REMARKS

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

METALS DATA REPORT

```

*** **
** PROJECT NO. 94-0234 SAMPLE NO. 82114 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SB-13 COLLECTION START: 01/12/94 1010 STOP: 00/00/00 **
** CASE NUMBER: 21510 SAS NUMBER: MD NUMBER: GJ65 **
**

```

*** **		*** **	
MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
22000	ALUMINUM	9.7J	MANGANESE
3UR	ANTIMONY	0.06U	MERCURY
7.2	ARSENIC	3.6J	NICKEL
12	BARIUM	180	POTASSIUM
1U	BERYLLIUM	0.62U	SELENIUM
0.22U	CADMIUM	2U	SILVER
60U	CALCIUM	150U	SODIUM
31	CHROMIUM	0.82U	THALLIUM
2U	COBALT	NA	TIN
6U	COPPER	64	VANADIUM
24000	IRON	8U	ZINC
9.3	LEAD	16	PERCENT MOISTURE
240	MAGNESIUM		

FOOTNOTES

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 *R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV
Environmental Services Division
College Station Road, Athens, Ga. 30613

*****MEMORANDUM*****

DATE: 03/03/94

SUBJECT: Results of Specified Analysis;
94-0234 SUMTER INERT SITE
SUMTER SC
CASE NO: 21510

FROM: Charles H. Hooper
Chief, Laboratory Evaluation/Quality Assurance Section

TO: HAROLD SEABROOK

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

INORGANIC DATA QUALIFIERS REPORT

Case Number: 21510

Project Number: 94-0234

Site: Sumter Inert Site, Sumter, SC

Element	Flag	Samples Affected	Reason
<u>A. Water</u>			
Be, Cd, Cr, Co, Pb, Ag, V	U	All positives > IDL, but < CRDL	Baseline instability
Al, Ba, Cu, Fe, Mg, K, Na, Zn	U	All positives > IDL, but < 10X contaminant level	Positives in blanks
Sb	J R	All positives All negatives	Matrix spike recovery = 11.4%
Cr	J	All	Matrix spike recovery = 71.8%
V	J	All	Matrix spike recovery = 73.4%
Zn	J	All	Matrix spike recovery = 73.4%
CN	J	All	Matrix spike recovery = 69%
Ca	J	All	Serial dilution percent difference = 12.8%
Al	J	All positives	Blind spike recovery = 182%
Mn	J	All positives	Blind spike recovery = 206%
All Metals	J	All	pH > 2.0 when received by the laboratory
CN	J	All	pH < 12.0 when received by the laboratory
Be	JN	MDGJ62	Suspected positive interference from high levels of Al and Fe (>200,000 ug/L each)
Co	J	MDGJ50	% RSD > 20% for ICP multiple exposures
Sb	U	MDGJ64	% RSD > 20% for ICP multiple exposures and result > IDL, but < CRDL
Se	U	MDGJ61	% RSD > 20% for ICP multiple exposures and result > IDL, but < CRDL
Se	J	MDGJ62	Only 2X CRDL standard required for ICP analysis by SOW
<u>B. Soil</u>			
Be, Cd, Cr, Co, Pb, Ag, V	U	All positives > IDL, but < CRDL	Baseline instability
Al, Ca, Cu, Fe, Mg, Na, Zn	U	All positives > IDL, but < 10X contaminant level	Positives in blanks

INORGANIC DATA QUALIFIERS REPORT (continued)

Case Number: 21510

Project Number: 94-0234

Site: Sumter Inert Site, Sumter, SC

Element	Flag	Samples Affected	Reason
Sb	J	All positives	Matrix spike recovery = 22.5%
	R	All negatives	
Hg	J	All positives	Matrix spike recovery = 130.5%
Al	J	All positives	Blind spike recovery = 182%
Mn	J	All positives	Blind spike recovery = 206%
Ni	J	MDGJ52, 55, 60, & 65	% RSD > 20% for ICP multiple exposures
K	J	MDGJ55	% RSD > 20% for ICP multiple exposures
Tl	U	MDGJ53 & 54	%RSD > 20% for ICP multiple exposures and result > IDL, but < CRDL
As	U	MDGJ57 & 60	%RSD > 20% for ICP multiple exposures and result > IDL, but < CRDL
As	J	MDGJ55	Only 2X CRDL standard required for ICP analysis by SOW

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

```
*** ** ** ** **
** PROJECT NO. 94-0234 SAMPLE NO. 82102 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SB-01 COLLECTION START: 01/12/94 1010 STOP: 00/00/00 **
** CASE.NO.: 21510 SAS NO.: D. NO.: GJ53 MD NO: GJ53 **
** ** ** **
```

RESULTS UNITS PARAMETER
0.57U MG/KG CYANIDE

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

```
*** ** ** ** **
**  PROJECT NO. 94-0234  SAMPLE NO. 82103  SAMPLE TYPE: SOIL  PROG ELEM: NSF  COLLECTED BY: FM CARNS  **
**  SOURCE: SUMTER INERT SITE  CITY: SUMTER  ST: SC  **
**  STATION ID: SB-02  COLLECTION START: 01/12/94  1150  STOP: 00/00/00  **
**  CASE.NO.: 21510  SAS NO.:  D. NO.: GJ54  MD NO: GJ54  **
**  **
```

RESULTS UNITS PARAMETER
0.65U MG/KG CYANIDE

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

```
*** **
** PROJECT NO. 94-0234 SAMPLE NO. 82104 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SB-03 COLLECTION START: 01/12/94 1040 STOP: 00/00/00 **
** CASE NO.: 21510 SAS NO.: D. NO.: GJ55 MD NO: GJ55 **
** ***
```

RESULTS UNITS PARAMETER
0.56U MG/KG CYANIDE

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

```
*** ** ** ** **
** PROJECT NO. 94-0234 SAMPLE NO. 82105 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SB-04 COLLECTION START: 01/12/94 1225 STOP: 00/00/00 **
** CASE NO.: 21510 SAS NO.: D. NO.: GJ56 MD NO: GJ56 **
** ** ** **
```

RESULTS UNITS PARAMETER
0.59U MG/KG CYANIDE

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

```
*** **
** PROJECT NO. 94-0234 SAMPLE NO. 82106 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SD-05 COLLECTION START: 01/12/94 1030 STOP: 00/00/00 **
** CASE NO.: 21510 SAS NO.: D. NO.: GJ57 MD NO: GJ57 **
** ***
```

RESULTS UNITS PARAMETER
0.93U MG/KG CYANIDE

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

```
*** **
** PROJECT NO. 94-0234 SAMPLE NO. 82107 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SW-05 COLLECTION START: 01/12/94 1015 STOP: 00/00/00 **
** CASE NO.: 21510 SAS NO.: D. NO.: GJ58 MD NO: GJ58 **
**
```

RESULTS UNITS PARAMETER
10UJ UG/L CYANIDE

REMARKS

SAMPLE NOT PRESERVED, HOWEVER, HOLDING TIME & QC CRITERIA MET!

REMARKS

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

*** **
** PROJECT NO. 94-0234 SAMPLE NO. 82108 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SW-08 COLLECTION START: 01/12/94 1200 STOP: 00/00/00 **
** CASE.NO.: 21510 SAS NO.: D. NO.: GJ59 MD NO: GJ59 **
** **

RESULTS UNITS PARAMETER
10UJ UG/L CYANIDE

REMARKS

SAMPLE NOT PRESERVED, HOWEVER, HOLDING TIME & QC CRITERIA MET!

REMARKS

FOOTNOTES

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

```
*** **
** PROJECT NO. 94-0234 SAMPLE NO. 82109 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SD-08 COLLECTION START: 01/12/94 1215 STOP: 00/00/00 **
** CASE NO.: 21510 SAS NO.: D. NO.: GJ60 MD NO: GJ60 **
** ***
```

RESULTS UNITS PARAMETER
0.63U MG/KG CYANIDE

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

*** **
** PROJECT NO. 94-0234 SAMPLE NO. 82110 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: MW-09 COLLECTION START: 01/12/94 1055 STOP: 00/00/00 **
** CASE NO.: 21510 SAS NO.: D. NO.: GJ61 MD NO: GJ61 **
**

RESULTS UNITS PARAMETER
10UJ UG/L CYANIDE

REMARKS

SAMPLE NOT PRESERVED, HOWEVER, HOLDING TIME & QC CRITERIA MET!

REMARKS

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

** PROJECT NO. 94-0234 SAMPLE NO. 82111 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: MW-12 COLLECTION START: 01/12/94 1215 STOP: 00/00/00 **
** CASE NO.: 21510 SAS NO.: D. NO.: GJ62 MD NO: GJ62 **
**

RESULTS UNITS PARAMETER
10UJ UG/L CYANIDE

REMARKS

SAMPLE NOT PRESERVED, HOWEVER, HOLDING TIME & QC CRITERIA MET!

REMARKS

FOOTNOTES

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

```
*** ** ** ** **
** PROJECT NO. 94-0234 SAMPLE NO. 82112 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: MW-10 COLLECTION START: 01/12/94 1310 STOP: 00/00/00 **
** CASE NO.: 21510 SAS NO.: D. NO.: GJ63 MD NO: GJ63 **
** ** ** **
```

RESULTS UNITS PARAMETER
10UJ UG/L CYANIDE

REMARKS

SAMPLE NOT PRESERVED, HOWEVER, HOLDING TIME & QC CRITERIA MET!

REMARKS

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

*** **
** PROJECT NO. 94-0234 SAMPLE NO. 82113 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: MW-11 COLLECTION START: 01/12/94 1420 STOP: 00/00/00 **
** CASE.NO.: 21510 SAS NO.: D. NO.: GJ64 MD NO: GJ64 **
** **

RESULTS UNITS PARAMETER
10UJ UG/L CYANIDE

REMARKS

SAMPLE NOT PRESERVED, HOWEVER, HOLDING TIME & QC. CRITERIA MET!

REMARKS

FOOTNOTES

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

```
*** ** ** ** **
** PROJECT NO. 94-0234 SAMPLE NO. 82114 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SB-13 COLLECTION START: 01/12/94 1010 STOP: 00/00/00 **
** CASE NO.: 21510 SAS NO.: D. NO.: GJ65 MD NO: GJ65 **
** ** ** **
```

RESULTS UNITS PARAMETER
0.58U MG/KG CYANIDE

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SITE GRANITEVILLE CO/LAGOON (ESI) STATE SC MANAGER JOE SLYKERMEN (B&V)
PROJECT # 94-0240 SHIPWEEK 01/24/94

SOILVOA BOOKED	20	DATA RECEIVED	/	/	FOR	SAMPLES
H2OVOA BOOKED	12	DATA RECEIVED	/	/	FOR	SAMPLES
SOILEXT BOOKED	20	DATA RECEIVED	/	/	FOR	SAMPLES
H2OEXT BOOKED	11	DATA RECEIVED	/	/	FOR	SAMPLES
SOILPEST BOOKED	20	DATA RECEIVED	/	/	FOR	SAMPLES
H2OPEST BOOKED	11	DATA RECEIVED	/	/	FOR	SAMPLES
SOILMET BOOKED	20	DATA RECEIVED	/	/	FOR	SAMPLES
H2OMET BOOKED	12	DATA RECEIVED	/	/	FOR	SAMPLES
SOILCN BOOKED	20	DATA RECEIVED	/	/	FOR	SAMPLES
H2OCN BOOKED	12	DATA RECEIVED	/	/	FOR	SAMPLES

SOILOTH1 BOOKED	4	DATA RECEIVED	03/07/94	FOR	3	SAMPLES
SOILOTH2 BOOKED	0	DATA RECEIVED	/	/	FOR	SAMPLES
H2OOTH1 BOOKED	0	DATA RECEIVED	/	/	FOR	SAMPLES
H2OOTH2 BOOKED	0	DATA RECEIVED	/	/	FOR	SAMPLES
OTHER1 BOOKED	0	DATA RECEIVED	/	/	FOR	SAMPLES
OTHER2 BOOKED	0	DATA RECEIVED	/	/	FOR	SAMPLES

LAB(CLP/ESD/FASP/QTMT) CLP

REMARKS OTHER=DIOXIN

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV
Environmental Services Division
College Station Road, Athens, Ga. 30613

*****MEMORANDUM*****

DATE: 03/03/94

SUBJECT; Results of Dioxin/Furan Analysis;
94-0240 GRANITEVILLE LAGOON
GRANITEVIL SC
CASE NO: 21557SAS NC: 8134D

FROM: Charles H. Hooper
Chief, Laboratory Evaluation/Quality Assurance Section

TO: JOE SLYKERMEN

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

DATA QUALIFIER REPORT

Project No.: 94-0240

Case No.: 21557

SAS No.: 8134D

Site Name: Graniteville, Graniteville, SC

<u>Affected</u> <u>Samples</u>	<u>Analyte</u>	<u>Flag</u> <u>Used</u>	<u>Reason</u>
All	total congeners	J	Assumed Resp. Factors/ Cal. Stds not available for all congeners
82423	OCDD	J	low internal standard recovery
82424	1234678 HpCDF	J	2
82425	123789 HxCDD	J	2

TEQ's : The Toxic Equivalent (TEQ) represents a summation of values from the individual equivalents that are calculated for each of the 2,3,7,8 containing isomers. If 10% or greater of the total value was from data considered to be estimated, then the TEQ is reported as estimated (J flag).

Abbreviation Key:

TCDD = Tetrachlorodibenzodioxin	TCDF = Tetrachlorodibenzofuran
PeCDD = Penta " " "	PeCDF = Penta " " " "
HxCDD = Hexa " " "	HxCDF = Hexa " " " "
HpCDD = Hepta " " "	HpCDF = Hepta " " " "
OCDD = Octa " " "	OCDF = Octa " " " "

Reason Codes

1. Results lower than the minimum quantitation limit
2. Results higher than the maximum calibration limit
3. Poor precision on the 2,3,7,8-TCDF confirmation column

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

DIOXIN/FURAN DATA REPORT

*** PROJECT NO. 94-0240 SAMPLE NO. 82423 SAMPLE TYPE: SOIL
 *** SOURCE: GRANITEVILLE LAGOON
 *** STATION ID: SD-06
 *** CASE NUMBER: 21557 SAS NUMBER: 8134D
 *** PROG ELEM: SSF COLLECTED BY: B WILLIAMS
 *** CITY: GRANITEVILLE ST: SC
 *** COLLECTION START: 01/26/94 0910 STOP: 00/00/00
 *** D NUMBER: PDG96

ANALYTICAL RESULTS		ANALYTICAL RESULTS	
NG/KG	2.3.7.8 TETRACHLORODIBENZODIOXIN	NG/KG	2.3.4.7.8 PENTACHLORODIBENZOFURAN
1.0U	TETRACHLORODIBENZODIOXIN(TOTAL)	5.0U	PENTACHLORODIBENZOFURAN(TOTAL)
5.1U	1.2.3.7.8 PENTACHLORODIBENZODIOXIN	5.0UJ	1.2.3.4.7.8 HEXACHLORODIBENZOFURAN
5.0U	PENTACHLORODIBENZODIOXIN(TOTAL)	5.0U	1.2.3.6.7.8 HEXACHLORODIBENZOFURAN
5.0UJ	1.2.3.4.7.8 HEXACHLORODIBENZODIOXIN	5.0U	1.2.3.7.8.9 HEXACHLORODIBENZOFURAN
5.0U	1.2.3.6.7.8 HEXACHLORODIBENZODIOXIN	5.0U	2.3.4.6.7.8 HEXACHLORODIBENZOFURAN
8.9	1.2.3.7.8.9 HEXACHLORODIBENZODIOXIN	5.0UJ	HEXACHLORODIBENZOFURAN(TOTAL)
5.0UJ	HEXACHLORODIBENZODIOXIN(TOTAL)	57	1.2.3.4.6.7.8 HEPTACHLORODIBENZOFURAN
300	1.2.3.4.6.7.8 HEPTACHLORODIBENZODIOXIN	5.0U	1.2.3.4.7.8.9 HEPTACHLORODIBENZOFURAN
680J	HEPTACHLORODIBENZODIOXIN(TOTAL)	57J	HEPTACHLORODIBENZOFURAN(TOTAL)
4600J	OCTACHLORODIBENZODIOXIN(TOTAL)	180	OCTACHLORODIBENZOFURAN(TOTAL)
1.0U	2.3.7.8 TETRACHLORODIBENZOFURAN	9.2J	TEQ(TOXIC EQUIV. VALUE, FROM 1-TEF/89)
1.0UJ	TETRACHLORODIBENZOFURAN(TOTAL)		
5.0U	1.2.3.7.8 PENTACHLORODIBENZOFURAN	32	% MOISTURE

*** FOOTNOTES ***

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
 *K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
 *U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
 *R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

DIOXIN/FURAN DATA REPORT

*** PROJECT NO. 94-0240 SAMPLE NO. 82424 SAMPLE TYPE: SOIL
 *** SOURCE: GRANITEVILLE LAGOON
 *** STATION ID: SD-08
 *** CASE NUMBER: 21557 SAS NUMBER: 8134D
 *** PROG ELEM: SSF COLLECTED BY: B WILLIAMS
 *** CITY: GRANITEVILLE ST: SC
 *** COLLECTION START: 01/25/94 1540 STOP: 00/00/00
 *** D NUMBER: PDG97

NG/KG ANALYTICAL RESULTS
 1.0UJ 2,3,7,8 TETRACHLORODIBENZODIOXIN
 1.0UJ 1,2,3,7,8 PENTACHLORODIBENZODIOXIN(TOTAL)
 5.0UJ 1,2,3,7,8 PENTACHLORODIBENZODIOXIN
 5.0UJ 2,3,7,8 TETRACHLORODIBENZODIOXIN(TOTAL)
 5.0UJ 1,2,3,4,7,8 HEXACHLORODIBENZODIOXIN
 5.0UJ 1,2,3,6,7,8 HEXACHLORODIBENZODIOXIN
 5.0UJ 1,2,3,7,8,9 HEXACHLORODIBENZODIOXIN
 5.0UJ 1,2,3,6,7,8,9 HEXACHLORODIBENZODIOXIN
 5.0UJ 1,2,3,7,8,9 HEXACHLORODIBENZODIOXIN(TOTAL)
 110 1,2,3,4,6,7,8 HEPTACHLORODIBENZODIOXIN
 260J 1,2,3,4,6,7,8 HEPTACHLORODIBENZODIOXIN(TOTAL)
 1300 1,2,3,4,6,7,8,9 HEPTACHLORODIBENZODIOXIN(TOTAL)
 1.0UJ 2,3,7,8 TETRACHLORODIBENZOFURAN
 1.0UJ 1,2,3,7,8 PENTACHLORODIBENZOFURAN(TOTAL)
 5.0UJ 1,2,3,7,8 PENTACHLORODIBENZOFURAN

NG/KG ANALYTICAL RESULTS
 5.0UJ 2,3,4,7,8 PENTACHLORODIBENZOFURAN
 7.2J 1,2,3,4,7,8 HEXACHLORODIBENZOFURAN(TOTAL)
 5.0UJ 1,2,3,4,7,8 HEXACHLORODIBENZOFURAN
 5.0UJ 1,2,3,6,7,8 HEXACHLORODIBENZOFURAN
 5.0UJ 1,2,3,7,8,9 HEXACHLORODIBENZOFURAN
 5.0UJ 1,2,3,6,7,8,9 HEXACHLORODIBENZOFURAN
 710J 1,2,3,4,6,7,8,9 HEXACHLORODIBENZOFURAN(TOTAL)
 2200J 1,2,3,4,6,7,8,9 HEPTACHLORODIBENZOFURAN
 5.0UJ 1,2,3,4,7,8,9 HEPTACHLORODIBENZOFURAN
 2200J 1,2,3,4,7,8,9 HEPTACHLORODIBENZOFURAN(TOTAL)
 700 1,2,3,4,7,8,9 HEPTACHLORODIBENZOFURAN(TOTAL)
 25J TEQ(TOXIC EQUIV. VALUE, FROM I-TEF/89)
 59 % MOISTURE

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
 *K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
 *U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTIFICATION LIMIT
 *R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

DIOXIN/FURAN DATA REPORT

*** PROJECT NO. 94-0240 SAMPLE NO. 82425 SAMPLE TYPE: SOIL ***
 *** SOURCE: GRANITEVILLE LAGOON ***
 *** STATION ID: SD-01 ***
 *** CASE NUMBER: 21557 *** SAS NUMBER: 8134D ***

 *** PROG ELEM: SSF COLLECTED BY: B WILLIAMS ***
 *** CITY: GRANITEVILLE ST: SC ***
 *** COLLECTION START: 01/26/94 1330 STOP: 00/00/00 ***
 *** D NUMBER: PDG98 ***

NG/KG	ANALYTICAL RESULTS	NG/KG	ANALYTICAL RESULTS
1.0U	2.3.7.8 TETRACHLORODIBENZODIOXIN	5.0U	2.3.4.7.8 PENTACHLORODIBENZOFURAN
5.0U	TETRACHLORODIBENZODIOXIN(TOTAL)	5.0U	PENTACHLORODIBENZOFURAN(TOTAL)
5.0U	1.2.3.7.8 PENTACHLORODIBENZODIOXIN	5.0U	1.2.3.4.7.8 HEXACHLORODIBENZOFURAN
5.0U	PENTACHLORODIBENZODIOXIN(TOTAL)	5.0U	1.2.3.6.7.8 HEXACHLORODIBENZOFURAN
5.0U	1.2.3.4.7.8 HEXACHLORODIBENZODIOXIN	5.0U	1.2.3.7.8.9 HEXACHLORODIBENZOFURAN
5.0U	1.2.3.6.7.8 HEXACHLORODIBENZODIOXIN	5.0U	2.3.4.6.7.8 HEXACHLORODIBENZOFURAN
1.8J	1.2.3.7.8.9 HEXACHLORODIBENZODIOXIN	9.1J	HEXACHLORODIBENZOFURAN(TOTAL)
8.3J	HEXACHLORODIBENZODIOXIN(TOTAL)	5.0U	1.2.3.4.6.7.8 HEPTACHLORODIBENZOFURAN
73	1.2.3.4.6.7.8 HEPTACHLORODIBENZODIOXIN	5.0U	1.2.3.4.7.8 HEPTACHLORODIBENZOFURAN
140J	HEPTACHLORODIBENZODIOXIN(TOTAL)	26	OCTACHLORODIBENZOFURAN(TOTAL)
1400	OCTACHLORODIBENZODIOXIN(TOTAL)	2.3	TEQ(TOXIC. EQUIV. VALUE, FROM 1-TEF/89)
1.0U	2.3.7.8 TETRACHLORODIBENZOFURAN		
5.0U	TETRACHLORODIBENZOFURAN(TOTAL)	45	% MOISTURE

*** FOOTNOTES ***
 **A-AVERAGE VALUE **NA-NOT ANALYZED **N-INTERFERENCES **J-ESTIMATED VALUE **N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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 **R-OC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SITE SUMTER INERT SITE (STATE) STATE SC MANAGER HAROLD SEABROOK
PROJECT # 94-0234 SHIPWEEK 01/10/94

SOILVOA BOOKED	8	DATA RECEIVED	02/23/94	FOR	7	SAMPLES
H2OVOA BOOKED	8	DATA RECEIVED	03/02/94	FOR	7	SAMPLES
SOILEXT BOOKED	8	DATA RECEIVED	02/23/94	FOR	7	SAMPLES
H2OEXT BOOKED	7	DATA RECEIVED	02/23/94	FOR	6	SAMPLES
SOILPEST BOOKED	0	DATA RECEIVED	/ /	FOR	0	SAMPLES
H2OPEST BOOKED	7	DATA RECEIVED	/ /	FOR	0	SAMPLES
SOILMET BOOKED	8	DATA RECEIVED	/ /	FOR		SAMPLES
H2OMET BOOKED	7	DATA RECEIVED	/ /	FOR		SAMPLES
SOILCN BOOKED	8	DATA RECEIVED	/ /	FOR		SAMPLES
H2OCN BOOKED	7	DATA RECEIVED	/ /	FOR		SAMPLES

SOILOTH1 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
SOILOTH2 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
H2OOTH1 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
H2OOTH2 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
OTHER1 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
OTHER2 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES

LAB(CLP/ESD/FASP/QTm) CLP

REMARKS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV
Environmental Services Division
College Station Road, Athens, Ga. 30613

*****MEMORANDUM*****

DATE: 02/26/94

SUBJECT: Results of Purgeable Organic Analysis;
94-0234 SUMTER INERT SITE
SUMTER SC
CASE NO: 21510

FROM: Charles H. Hooper
Chief, Laboratory Evaluation/Quality Assurance Section

TO: HAROLD SEABROOK

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/25/94

PURGEABLE ORGANICS DATA REPORT

*** **
** PROJECT NO. 94-0234 SAMPLE NO. 82495 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: FB-01 COLLECTION START: 01/12/94 1000 STOP: 00/00/00 **
**
** CASE NO.: 21510 SAS NO.: D. NO.: GJ66 **
*** **

UG/L ANALYTICAL RESULTS

10U CHLOROMETHANE
10U BROMOMETHANE
10U VINYL CHLORIDE
10U CHLOROETHANE
10U METHYLENE CHLORIDE
10U ACETONE
10U CARBON DISULFIDE
10U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
10U 1,1-DICHLOROETHANE
10U 1,2-DICHLOROETHENE (TOTAL)
10U CHLOROFORM
10U 1,2-DICHLOROETHANE
10U METHYL ETHYL KETONE
10U 1,1,1-TRICHLOROETHANE
10U CARBON TETRACHLORIDE
10U BROMODICHLOROMETHANE

UG/L ANALYTICAL RESULTS

10U 1,2-DICHLOROPROPANE
10U CIS-1,3-DICHLOROPROPENE
2J TRICHLOROETHENE(TRICHLOROETHYLENE)
10U DIBROMOCHLOROMETHANE
10U 1,1,2-TRICHLOROETHANE
10U BENZENE
10U TRANS-1,3-DICHLOROPROPENE
10U BROMOFORM
10U METHYL ISOBUTYL KETONE
10U METHYL BUTYL KETONE
10U TETRACHLOROETHENE(TETRACHLOROETHYLENE)
10U 1,1,2,2-TETRACHLOROETHANE
10U TOLUENE
10U CHLOROBENZENE
10U ETHYL BENZENE
10U STYRENE
10U TOTAL XYLENES

REMARKS

REMARKS

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SITE SUMTER INERT SITE (STATE) STATE SC MANAGER HAROLD SEABROOK
 PROJECT # 94-0234 SHIPWEEK 01/10/94

SOILVOA BOOKED	8	DATA RECEIVED	02/23/94	FOR	7	SAMPLES
H2OVOA BOOKED	8	DATA RECEIVED	02/23/94	FOR	6	SAMPLES
SOILEXT BOOKED	8	DATA RECEIVED	02/23/94	FOR	7	SAMPLES
H2OEXT BOOKED	7	DATA RECEIVED	02/23/94	FOR	6	SAMPLES
SOILPEST BOOKED	0	DATA RECEIVED	/ /	FOR	0	SAMPLES
H2OPEST BOOKED	7	DATA RECEIVED	/ /	FOR	0	SAMPLES
SOILMET BOOKED	8	DATA RECEIVED	/ /	FOR		SAMPLES
H2OMET BOOKED	7	DATA RECEIVED	/ /	FOR		SAMPLES
SOILCN BOOKED	8	DATA RECEIVED	/ /	FOR		SAMPLES
H2OCN BOOKED	7	DATA RECEIVED	/ /	FOR		SAMPLES

SOILOTH1 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
SOILOTH2 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
H2OOTH1 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
H2OOTH2 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
OTHER1 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
OTHER2 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES

LAB(CLP/ESD/FASP/QTMD) CLP

REMARKS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV
Environmental Services Division
College Station Road, Athens, Ga. 30613

*****MEMORANDUM*****

DATE: 02/18/94

SUBJECT: Results of Purgeable Organic Analysis;
94-0234 SUMTER INERT SITE
SUMTER SC
CASE NO: 21510

FROM: Charles H. Hooper
Chief, Laboratory Evaluation/Quality Assurance Section

TO: HAROLD SEABROOK

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

ORGANIC DATA QUALIFIER REPORT

Case Number 21510

Project Number 94-0234

SAS Number

Site ID. Sumter Inert Site, Sumter, SC

<u>Affected Sample</u>	<u>Compound or Fraction</u>	<u>Flag</u>	<u>UsedReason</u>
<u>Volatiles</u>			
82102	acetone	N	common lab contaminant
82103	all volatiles	J	low internal standards
82106	4-methyl-2-pentanone	J	low internal standard
	2-hexanone, xylenes	J	low internal standard
	tetrachloroethene	J	low internal standard
	1,1,2,2-tetrachloroethane	J	low internal standard
	toluene, styrene	J	low internal standard
	chlorobenzene	J	low internal standard
	ethylbenzene	J	low internal standard
82105, 82108, 82113	acetone	N	common lab contaminant
82113	carbon disulfide	J	<quantitation limit
82495	trichloroethene	J	<quantitation limit
<u>Extractables</u>			
82103	4-methylphenol	J	<quantitation limit
	acenaphthylene	J	<quantitation limit
	acenaphthene	J	<quantitation limit, dilution
	fluorene	J	<quantitation limit, dilution
	4,6-dinitro-2-methylphenol	J	low internal standard
	N-nitrosodiphenylamine	J	low internal standard
	4-bromophenylphenylether	J	low internal standard
	hexachlorobenzene	J	low internal standard
	pentachlorophenol	J	low internal standard
	anthracene	J	<quantitation limit, dilution
	carbazole	J	<quantitation limit, dilution
	di-n-butylphthalate	J	low internal standard
	butylbenzylphthalate	J	low internal standard
	3,3'-dichlorobenzidine	J	low internal standard
	bis(2-ethylhexyl)phthalate	J	low internal standard
	di-n-octylphthalate	J	low internal standard
	indeno(1,2,3-cd)pyrene	J	<quantitation limit, dilution
	dibenz(a,h)anthracene	J	low internal standard
	benzo(g,h,i)perylene	J	low internal standard
82104	fluoranthene	J	<quantitation limit
	pyrene	J	<quantitation limit
	chrysene	J	<quantitation limit
82104, 82106	di-n-octylphthalate	J	low internal standard
	benzo(b/k)fluoranthene	J	low internal standard
	benzo(a)pyrene	J	low internal standard
	indeno(1,2,3-cd)pyrene	J	low internal standard
	dibenz(a,h)anthracene	J	low internal standard
	benzo(g,h,i)perylene	J	low internal standard
82106, 82109	fluoranthene	J	<quantitation limit
	pyrene	J	<quantitation limit
82113	naphthalene	J	<quantitation limit
	fluoranthene	J	<quantitation limit
	pyrene	J	<quantitation limit

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

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*** ** ** ** **
** PROJECT NO. 94-0234 SAMPLE NO. 82102 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SB-01 COLLECTION START: 01/12/94 1010 STOP: 00/00/00 **
**

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** CASE NO.: 21510 SAS NO.: D. NO.: GJ53 **
*** ** ** ** *

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UG/KG ANALYTICAL RESULTS

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12U CHLOROMETHANE
12U BROMOMETHANE
12U VINYL CHLORIDE
12U CHLOROETHANE
12U METHYLENE CHLORIDE
14N ACETONE
12U CARBON DISULFIDE
12U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
12U 1,1-DICHLOROETHANE
12U 1,2-DICHLOROETHENE (TOTAL)
12U CHLOROFORM
12U 1,2-DICHLOROETHANE
12U METHYL ETHYL KETONE
12U 1,1,1-TRICHLOROETHANE
12U CARBON TETRACHLORIDE
12U BROMODICHLOROMETHANE

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UG/KG ANALYTICAL RESULTS

```

12U 1,2-DICHLOROPROPANE
12U CIS-1,3-DICHLOROPROPENE
12U TRICHLOROETHENE (TRICHLOROETHYLENE)
12U DIBROMOCHLOROMETHANE
12U 1,1,2-TRICHLOROETHANE
12U BENZENE
12U TRANS-1,3-DICHLOROPROPENE
12U BROMOFORM
12U METHYL ISOBUTYL KETONE
12U METHYL BUTYL KETONE
12U TETRACHLOROETHENE (TETRACHLOROETHYLENE)
12U 1,1,2,2-TETRACHLOROETHANE
12U TOLUENE
12U CHLOROBENZENE
12U ETHYL BENZENE
12U STYRENE
12U TOTAL XYLENES
16 PERCENT MOISTURE

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REMARKS

REMARKS

FOOTNOTES

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*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

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*** ** ** ** **
** PROJECT NO. 94-0234 SAMPLE NO. 82103 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SB-02 COLLECTION START: 01/12/94 1150 STOP: 00/00/00 **
**
** CASE NO.: 21510 SAS NO.: D. NO.: GJ54 **
*** ** ** ** *
  
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UG/KG ANALYTICAL RESULTS

13UJ	CHLOROMETHANE
13UJ	BROMOMETHANE
13UJ	VINYL CHLORIDE
13UJ	CHLOROETHANE
13UJ	METHYLENE CHLORIDE
13UJ	ACETONE
13UJ	CARBON DISULFIDE
13UJ	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
13UJ	1,1-DICHLOROETHANE
13UJ	1,2-DICHLOROETHENE (TOTAL)
13UJ	CHLOROFORM
13UJ	1,2-DICHLOROETHANE
13UJ	METHYL ETHYL KETONE
13UJ	1,1,1-TRICHLOROETHANE
13UJ	CARBON TETRACHLORIDE
13UJ	BROMODICHLOROMETHANE

UG/KG ANALYTICAL RESULTS

13UJ	1,2-DICHLOROPROPANE
13UJ	CIS-1,3-DICHLOROPROPENE
13UJ	TRICHLOROETHENE (TRICHLOROETHYLENE)
13UJ	DIBROMOCHLOROMETHANE
13UJ	1,1,2-TRICHLOROETHANE
13UJ	BENZENE
13UJ	TRANS-1,3-DICHLOROPROPENE
13UJ	BROMOFORM
13UJ	METHYL ISOBUTYL KETONE
13UJ	METHYL BUTYL KETONE
13UJ	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
13UJ	1,1,2,2-TETRACHLOROETHANE
2J	TOLUENE
13UJ	CHLOROBENZENE
13UJ	ETHYL BENZENE
13UJ	STYRENE
13UJ	TOTAL XYLENES
23	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
 *K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
 *U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
 *R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

```

*** ** ** ** **
** PROJECT NO. 94-0234 SAMPLE NO. 82104 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SB-03 COLLECTION START: 01/12/94 1040 STOP: 00/00/00 **
**
** CASE NO.: 21510 SAS NO.: D. NO.: GJ55 **
*** ** ** ** *
  
```

UG/KG ANALYTICAL RESULTS

```

11U CHLOROMETHANE
11U BROMOMETHANE
11U VINYL CHLORIDE
11U CHLOROETHANE
11U METHYLENE CHLORIDE
57 ACETONE
11U CARBON DISULFIDE
11U 1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
11U 1,1-DICHLOROETHANE
11U 1,2-DICHLOROETHENE (TOTAL)
11U CHLOROFORM
11U 1,2-DICHLOROETHANE
11U METHYL ETHYL KETONE
11U 1,1,1-TRICHLOROETHANE
11U CARBON TETRACHLORIDE
11U BROMODICHLOROMETHANE
  
```

UG/KG ANALYTICAL RESULTS

```

11U 1,2-DICHLOROPROPANE
11U CIS-1,3-DICHLOROPROPENE
11U TRICHLOROETHENE (TRICHLOROETHYLENE)
11U DIBROMOCHLOROMETHANE
11U 1,1,2-TRICHLOROETHANE
11U BENZENE
11U TRANS-1,3-DICHLOROPROPENE
11U BROMOFORM
11U METHYL ISOBUTYL KETONE
11U METHYL BUTYL KETONE
11U TETRACHLOROETHENE (TETRACHLOROETHYLENE)
11U 1,1,2,2-TETRACHLOROETHANE
11U TOLUENE
11U CHLOROBENZENE
11U ETHYL BENZENE
11U STYRENE
11U TOTAL XYLENES
11 PERCENT MOISTURE
  
```

REMARKS

REMARKS

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
 *K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
 *U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
 *R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

*** ** ** ** **
** PROJECT NO. 94-0234 SAMPLE NO. 82105 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SB-04 COLLECTION START: 01/12/94 1225 STOP: 00/00/00 **
**

** CASE NO.: 21510 SAS NO.: D. NO.: GJ56 **

*** ** ** ** * ANALYTICAL RESULTS * ** ** ** * ANALYTICAL RESULTS ***

UG/KG
12U CHLOROMETHANE
12U BROMOMETHANE
12U VINYL CHLORIDE
12U CHLOROETHANE
12U METHYLENE CHLORIDE
53N ACETONE
12U CARBON DISULFIDE
12U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
12U 1,1-DICHLOROETHANE
12U 1,2-DICHLOROETHENE (TOTAL)
12U CHLOROFORM
12U 1,2-DICHLOROETHANE
12U METHYL ETHYL KETONE
12U 1,1,1-TRICHLOROETHANE
12U CARBON TETRACHLORIDE
12U BROMODICHLOROMETHANE

UG/KG
12U 1,2-DICHLOROPROPANE
12U CIS-1,3-DICHLOROPROPENE
12U TRICHLOROETHENE(TRICHLOROETHYLENE)
12U DIBROMOCHLOROMETHANE
12U 1,1,2-TRICHLOROETHANE
12U BENZENE
12U TRANS-1,3-DICHLOROPROPENE
12U BROMOFORM
12U METHYL ISOBUTYL KETONE
12U METHYL BUTYL KETONE
12U TETRACHLOROETHENE(TETRACHLOROETHYLENE)
12U 1,1,2,2-TETRACHLOROETHANE
12U TOLUENE
12U CHLOROBENZENE
12U ETHYL BENZENE
12U STYRENE
12U TOTAL XYLENES
16 PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

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*** ** ** ** **
** PROJECT NO. 94-0234 SAMPLE NO. 82106 SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: FM CARNS   **
** SOURCE: SUMTER INERT SITE   CITY: SUMTER   ST: SC   **
** STATION ID: SD-05   COLLECTION START: 01/12/94 1030 STOP: 00/00/00   **
**
** CASE NO.: 21510   SAS NO.:   D. NO.: GJ57   **
*** ** ** ** *
  
```

```

UG/KG   ANALYTICAL RESULTS
23U CHLOROMETHANE
23U BROMOMETHANE
23U VINYL CHLORIDE
23U CHLOROETHANE
23U METHYLENE CHLORIDE
23U ACETONE
23U CARBON DISULFIDE
23U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
23U 1,1-DICHLOROETHANE
23U 1,2-DICHLOROETHENE (TOTAL)
23U CHLOROFORM
23U 1,2-DICHLOROETHANE
23U METHYL ETHYL KETONE
23U 1,1,1-TRICHLOROETHANE
23U CARBON TETRACHLORIDE
23U BROMODICHLOROMETHANE
  
```

```

UG/KG   ANALYTICAL RESULTS
23U 1,2-DICHLOROPROPANE
23U CIS-1,3-DICHLOROPROPENE
23U TRICHLOROETHENE (TRICHLOROETHYLENE)
23U DIBROMOCHLOROMETHANE
23U 1,1,2-TRICHLOROETHANE
23U BENZENE
23U TRANS-1,3-DICHLOROPROPENE
23U BROMOFORM
23UJ METHYL ISOBUTYL KETONE
23UJ METHYL BUTYL KETONE
23UJ TETRACHLOROETHENE (TETRACHLOROETHYLENE)
23UJ 1,1,2,2-TETRACHLOROETHANE
23UJ TOLUENE
23UJ CHLOROBENZENE
23UJ ETHYL BENZENE
23UJ STYRENE
23UJ TOTAL XYLENES
56 PERCENT MOISTURE
  
```

REMARKS

REMARKS

FOOTNOTES

```

*A-AVERAGE VALUE   *NA-NOT ANALYZED   *NAI-INTERFERENCES   *J-ESTIMATED VALUE   *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN   *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.
  
```

02/17/94

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***
** PROJECT NO. 94-0234 SAMPLE NO. 82107 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: FM CARNS
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC
** STATION ID: SW-05 COLLECTION START: 01/12/94 1015 STOP: 00/00/00
***

```

```

**      CASE NO. : 21510                      SAS NO. :                      D. NO. : GJ58
**

```

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
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10U 1,2-DICHLOROPROPANE
10U CIS-1,3-DICHLOROPROPENE
10U TRICHLOROETHENE (TRICHLOROETHYLENE)
10U DIBROMOCHLOROMETHANE
10U 1,1,2-TRICHLOROETHANE
10U BENZENE
10U TRANS-1,3-DICHLOROPROPENE
10U BROMOFORM
10U METHYL ISOBUTYL KETONE
10U METHYL BUTYL KETONE
10U TETRACHLOROETHENE (TETRACHLOROETHYLENE)
10U 1,1,2,2-TETRACHLOROETHANE
10U TOLUENE
10U CHLOROBENZENE
10U ETHYL BENZENE
10U STYRENE
10U TOTAL XYLENES

```

REMARKS

REMARKS

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

*** ** ** ** **
 ** PROJECT NO. 94-0234 SAMPLE NO. 82108 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: FM CARNS **
 ** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
 ** STATION ID: SW-08 COLLECTION START: 01/12/94 1200 STOP: 00/00/00 **
 **
 ** CASE NO.: 21510 SAS NO.: D. NO.: GJ59 **
 *** ** ** ** **

UG/L ANALYTICAL RESULTS

10U CHLOROMETHANE
 10U BROMOMETHANE
 10U VINYL CHLORIDE
 10U CHLOROETHANE
 10U METHYLENE CHLORIDE
 22N ACETONE
 10U CARBON DISULFIDE
 10U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
 10U 1,1-DICHLOROETHANE
 10U 1,2-DICHLOROETHENE (TOTAL)
 10U CHLOROFORM
 10U 1,2-DICHLOROETHANE
 10U METHYL ETHYL KETONE
 10U 1,1,1-TRICHLOROETHANE
 10U CARBON TETRACHLORIDE
 10U BROMODICHLOROMETHANE

UG/L ANALYTICAL RESULTS

10U 1,2-DICHLOROPROPANE
 10U CIS-1,3-DICHLOROPROPENE
 10U TRICHLOROETHENE(TRICHLOROETHYLENE)
 10U DIBROMOCHLOROMETHANE
 10U 1,1,2-TRICHLOROETHANE
 10U BENZENE
 10U TRANS-1,3-DICHLOROPROPENE
 10U BROMOFORM
 10U METHYL ISOBUTYL KETONE
 10U METHYL BUTYL KETONE
 10U TETRACHLOROETHENE(TETRACHLOROETHYLENE)
 10U 1,1,2,2-TETRACHLOROETHANE
 10U TOLUENE
 10U CHLOROBENZENE
 10U ETHYL BENZENE
 10U STYRENE
 10U TOTAL XYLENES

REMARKS

REMARKS

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
 *K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
 *U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
 *R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

```

*** ** ** ** **
** PROJECT NO. 94-0234 SAMPLE NO. 82109 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNs **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SD-08 COLLECTION START: 01/12/94 1215 STOP: 00/00/00 **
**
** CASE NO.: 21510 SAS NO.: D. NO.: GJ60 **
*** ** ** ** *
  
```

UG/KG ANALYTICAL RESULTS

```

13U CHLOROMETHANE
13U BROMOMETHANE
13U VINYL CHLORIDE
13U CHLOROETHANE
13U METHYLENE CHLORIDE
13U ACETONE
13U CARBON DISULFIDE
13U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
13U 1,1-DICHLOROETHANE
13U 1,2-DICHLOROETHENE (TOTAL)
13U CHLOROFORM
13U 1,2-DICHLOROETHANE
13U METHYL ETHYL KETONE
13U 1,1,1-TRICHLOROETHANE
13U CARBON TETRACHLORIDE
13U BROMODICHLOROMETHANE
  
```

UG/KG ANALYTICAL RESULTS

```

13U 1,2-DICHLOROPROPANE
13U CIS-1,3-DICHLOROPROPENE
13U TRICHLOROETHENE(TRICHLOROETHYLENE)
13U DIBROMOCHLOROMETHANE
13U 1,1,2-TRICHLOROETHANE
13U BENZENE
13U TRANS-1,3-DICHLOROPROPENE
13U BROMOFORM
13U METHYL ISOBUTYL KETONE
13U METHYL BUTYL KETONE
13U TETRACHLOROETHENE(TETRACHLOROETHYLENE)
13U 1,1,2,2-TETRACHLOROETHANE
13U TOLUENE
13U CHLOROBENZENE
13U ETHYL BENZENE
13U STYRENE
13U TOTAL XYLENES
24 PERCENT MOISTURE
  
```

REMARKS

REMARKS

FOOTNOTES

```

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.
  
```

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

*** ** ** ** **
 ** PROJECT NO. 94-0234 SAMPLE NO. 82110 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNS **
 ** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
 ** STATION ID: MW-09 COLLECTION START: 01/12/94 1055 STOP: 00/00/00 **
 **
 ** CASE NO.: 21510 SAS NO.: D. NO.: GJ61 **
 *** ** ** ** **

UG/L ANALYTICAL RESULTS

10U CHLOROMETHANE
 10U BROMOMETHANE
 10U VINYL CHLORIDE
 10U CHLOROETHANE
 10U METHYLENE CHLORIDE
 10U ACETONE
 10U CARBON DISULFIDE
 10U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
 10U 1,1-DICHLOROETHANE
 10U 1,2-DICHLOROETHENE (TOTAL)
 10U CHLOROFORM
 10U 1,2-DICHLOROETHANE
 10U METHYL ETHYL KETONE
 10U 1,1,1-TRICHLOROETHANE
 10U CARBON TETRACHLORIDE
 10U BROMODICHLOROMETHANE

UG/L ANALYTICAL RESULTS

10U 1,2-DICHLOROPROPANE
 10U CIS-1,3-DICHLOROPROPENE
 10U TRICHLOROETHENE(TRICHLOROETHYLENE)
 10U DIBROMOCHLOROMETHANE
 10U 1,1,2-TRICHLOROETHANE
 10U BENZENE
 10U TRANS-1,3-DICHLOROPROPENE
 10U BROMOFORM
 10U METHYL ISOBUTYL KETONE
 10U METHYL BUTYL KETONE
 10U TETRACHLOROETHENE(TETRACHLOROETHYLENE)
 10U 1,1,2,2-TETRACHLOROETHANE
 10U TOLUENE
 10U CHLOROBENZENE
 10U ETHYL BENZENE
 10U STYRENE
 10U TOTAL XYLENES

REMARKS

REMARKS

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
 *K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
 *U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
 *R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

*** ** ** ** **
 ** PROJECT NO. 94-0234 SAMPLE NO. 82111 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNS **
 ** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
 ** STATION ID: MW-12 COLLECTION START: 01/12/94 1215 STOP: 00/00/00 **
 **
 ** CASE NO.: 21510 SAS NO.: D. NO.: GJ62 **
 *** ** ** ** **

UG/L ANALYTICAL RESULTS

10U	CHLOROMETHANE
10U	BROMOMETHANE
10U	VINYL CHLORIDE
10U	CHLOROETHANE
10U	METHYLENE CHLORIDE
10U	ACETONE
10U	CARBON DISULFIDE
10U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
10U	1,1-DICHLOROETHANE
10U	1,2-DICHLOROETHENE (TOTAL)
10U	CHLOROFORM
10U	1,2-DICHLOROETHANE
10U	METHYL ETHYL KETONE
10U	1,1,1-TRICHLOROETHANE
10U	CARBON TETRACHLORIDE
10U	BROMODICHLOROMETHANE

UG/L ANALYTICAL RESULTS

10U	1,2-DICHLOROPROPANE
10U	CIS-1,3-DICHLOROPROPENE
10U	TRICHLOROETHENE(TRICHLOROETHYLENE)
10U	DIBROMOCHLOROMETHANE
10U	1,1,2-TRICHLOROETHANE
10U	BENZENE
10U	TRANS-1,3-DICHLOROPROPENE
10U	BROMOFORM
10U	METHYL ISOBUTYL KETONE
10U	METHYL BUTYL KETONE
10U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
10U	1,1,2,2-TETRACHLOROETHANE
10U	TOLUENE
10U	CHLOROBENZENE
10U	ETHYL BENZENE
10U	STYRENE
10U	TOTAL XYLENES

REMARKS

REMARKS

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
 *K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
 *U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
 *R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

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*** ** ** ** **
** PROJECT NO. 94-0234 SAMPLE NO. 82112 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: MW-10 COLLECTION START: 01/12/94 1310 STOP: 00/00/00 **
**

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** CASE NO.: 21510 SAS NO.: D. NO.: GJ63 **
*** ** ** ** *

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UG/L ANALYTICAL RESULTS

```

10U CHLOROMETHANE
10U BROMOMETHANE
10U VINYL CHLORIDE
10U CHLOROETHANE
10U METHYLENE CHLORIDE
10U ACETONE
10U CARBON DISULFIDE
10U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
10U 1,1-DICHLOROETHANE
10U 1,2-DICHLOROETHENE (TOTAL)
10U CHLOROFORM
10U 1,2-DICHLOROETHANE
10U METHYL ETHYL KETONE
10U 1,1,1-TRICHLOROETHANE
10U CARBON TETRACHLORIDE
10U BROMODICHLOROMETHANE

```

UG/L ANALYTICAL RESULTS

```

10U 1,2-DICHLOROPROPANE
10U CIS-1,3-DICHLOROPROPENE
10U TRICHLOROETHENE(TRICHLOROETHYLENE)
10U DIBROMOCHLOROMETHANE
10U 1,1,2-TRICHLOROETHANE
10U BENZENE
10U TRANS-1,3-DICHLOROPROPENE
10U BROMOFORM
10U METHYL ISOBUTYL KETONE
10U METHYL BUTYL KETONE
10U TETRACHLOROETHENE(TETRACHLOROETHYLENE)
10U 1,1,2,2-TETRACHLOROETHANE
10U TOLUENE
10U CHLOROBENZENE
10U ETHYL BENZENE
10U STYRENE
10U TOTAL XYLENES

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REMARKS

REMARKS

FOOTNOTES

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*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

```

*** ** ** ** **
** PROJECT NO. 94-0234 SAMPLE NO. 82113 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: MW-11 COLLECTION START: 01/12/94 1420 STOP: 00/00/00 **
**

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** CASE NO.: 21510 SAS NO.: D. NO.: GJ64 **
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UG/L ANALYTICAL RESULTS

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10U CHLOROMETHANE
10U BROMOMETHANE
10U VINYL CHLORIDE
10U CHLOROETHANE
10U METHYLENE CHLORIDE
15N ACETONE
3J CARBON DISULFIDE
10U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
10U 1,1-DICHLOROETHANE
10U 1,2-DICHLOROETHENE (TOTAL)
10U CHLOROFORM
10U 1,2-DICHLOROETHANE
10U METHYL ETHYL KETONE
10U 1,1,1-TRICHLOROETHANE
10U CARBON TETRACHLORIDE
10U BROMODICHLOROMETHANE

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UG/L ANALYTICAL RESULTS

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10U 1,2-DICHLOROPROPANE
10U CIS-1,3-DICHLOROPROPENE
10U TRICHLOROETHENE(TRICHLOROETHYLENE)
10U DIBROMOCHLOROMETHANE
10U 1,1,2-TRICHLOROETHANE
14 BENZENE
10U TRANS-1,3-DICHLOROPROPENE
10U BROMOFORM
10U METHYL ISOBUTYL KETONE
10U METHYL BUTYL KETONE
10U TETRACHLOROETHENE(TETRACHLOROETHYLENE)
10U 1,1,2,2-TETRACHLOROETHANE
10U TOLUENE
18 CHLOROBENZENE
10U ETHYL BENZENE
10U STYRENE
10U TOTAL XYLENES

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REMARKS

REMARKS

FOOTNOTES

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*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

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*** **
** PROJECT NO. 94-0234 SAMPLE NO. 82114 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SB-13 COLLECTION START: 01/12/94 1010 STOP: 00/00/00 **
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** CASE NO.: 21510 SAS NO.: D. NO.: GJ65 **
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UG/KG ANALYTICAL RESULTS

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12U CHLOROMETHANE
12U BROMOMETHANE
12U VINYL CHLORIDE
12U CHLOROETHANE
12U METHYLENE CHLORIDE
12U ACETONE
12U CARBON DISULFIDE
12U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
12U 1,1-DICHLOROETHANE
12U 1,2-DICHLOROETHENE (TOTAL)
12U CHLOROFORM
12U 1,2-DICHLOROETHANE
12U METHYL ETHYL KETONE
12U 1,1,1-TRICHLOROETHANE
12U CARBON TETRACHLORIDE
12U BROMODICHLOROMETHANE

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UG/KG ANALYTICAL RESULTS

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12U 1,2-DICHLOROPROPANE
12U CIS-1,3-DICHLOROPROPENE
12U TRICHLOROETHENE (TRICHLOROETHYLENE)
12U DIBROMOCHLOROMETHANE
12U 1,1,2-TRICHLOROETHANE
12U BENZENE
12U TRANS-1,3-DICHLOROPROPENE
12U BROMOFORM
12U METHYL ISOBUTYL KETONE
12U METHYL BUTYL KETONE
12U TETRACHLOROETHENE (TETRACHLOROETHYLENE)
12U 1,1,2,2-TETRACHLOROETHANE
12U TOLUENE
12U CHLOROBENZENE
12U ETHYL BENZENE
12U STYRENE
12U TOTAL XYLENES
16 PERCENT MOISTURE

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REMARKS

REMARKS

FOOTNOTES

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*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV
Environmental Services Division
College Station Road, Athens, Ga. 30613

*****MEMORANDUM*****

DATE: 02/18/94

SUBJECT: Results of Extractable Organic Analysis;
94-0234 SUMTER INERT SITE
SUMTER SC
CASE NO: 21510

FROM: Charles H. Hooper
Chief, Laboratory Evaluation/Quality Assurance Section

TO: HAROLD SEABROOK

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

ORGANIC DATA QUALIFIER REPORT

Case Number 21510

Project Number 94-0234

SAS Number

Site ID. Sumter Inert Site, Sumter, SC

<u>Affected Sample</u>	<u>Compound or Fraction</u>	<u>Flag</u>	<u>UsedReason</u>
<u>Volatiles</u>			
82102	acetone	N	common lab contaminant
82103	all volatiles	J	low internal standards
82106	4-methyl-2-pentanone	J	low internal standard
	2-hexanone, xylenes	J	low internal standard
	tetrachloroethene	J	low internal standard
	1,1,2,2-tetrachloroethane	J	low internal standard
	toluene, styrene	J	low internal standard
	chlorobenzene	J	low internal standard
	ethylbenzene	J	low internal standard
82105, 82108, 82113	acetone	N	common lab contaminant
82113	carbon disulfide	J	<quantitation limit
82495	trichloroethene	J	<quantitation limit
<u>Extractables</u>			
82103	4-methylphenol	J	<quantitation limit
	acenaphthylene	J	<quantitation limit
	acenaphthene	J	<quantitation limit, dilution
	fluorene	J	<quantitation limit, dilution
	4,6-dinitro-2-methylphenol	J	low internal standard
	N-nitrosodiphenylamine	J	low internal standard
	4-bromophenylphenylether	J	low internal standard
	hexachlorobenzene	J	low internal standard
	pentachlorophenol	J	low internal standard
	anthracene	J	<quantitation limit, dilution
	carbazole	J	<quantitation limit, dilution
	di-n-butylphthalate	J	low internal standard
	butylbenzylphthalate	J	low internal standard
	3,3'-dichlorobenzidine	J	low internal standard
	bis(2-ethylhexyl)phthalate	J	low internal standard
	di-n-octylphthalate	J	low internal standard
	indeno(1,2,3-cd)pyrene	J	<quantitation limit, dilution
	dibenz(a,h)anthracene	J	low internal standard
	benzo(g,h,i)perylene	J	low internal standard
82104	fluoranthene	J	<quantitation limit
	pyrene	J	<quantitation limit
	chrysene	J	<quantitation limit
82104, 82106	di-n-octylphthalate	J	low internal standard
	benzo(b/k)fluoranthene	J	low internal standard
	benzo(a)pyrene	J	low internal standard
	indeno(1,2,3-cd)pyrene	J	low internal standard
	dibenz(a,h)anthracene	J	low internal standard
	benzo(g,h,i)perylene	J	low internal standard
82106, 82109	fluoranthene	J	<quantitation limit
	pyrene	J	<quantitation limit
82113	naphthalene	J	<quantitation limit
	fluoranthene	J	<quantitation limit
	pyrene	J	<quantitation limit

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

EXTRACTABLE ORGANICS DATA REPORT

*** PROJECT NO. 94-0234 SAMPLE NO. 82102 SAMPLE TYPE: SOIL
*** SOURCE: SUMTER INERT SITE
*** STATION ID: SB-01

*** CASE NO.: 21510 SAS NO.: D. NO.: GJ53
*** UG/KG ANALYTICAL RESULTS UG/KG ANALYTICAL RESULTS

390U PHENOL	390U 3-NITROANILINE
390U BIS(2-CHLOROETHYL) ETHER	390U ACENAPHTHENE
390U 2-CHLOROPHENOL	390U 2,4-DINITROPHENOL
390U 1,3-DICHLOROBENZENE	390U 4-NITROPHENOL
390U 1,4-DICHLOROBENZENE	390U DIBENZOFURAN
390U 1,2-DICHLOROBENZENE	390U 2,4-DINITROTOLUENE
390U 2-METHYLPHENOL	390U DIETHYL PHTHALATE
390U 2,2'-CHLOROISOPROPYLETHYR	390U 4-CHLOROPHENYL PHENYL ETHER
390U (3-AND/OR 4-METHYLPHENOL	390U FLUORENE
390U N-NITROSODI-N-PROPYLAMINE	390U 4-NITROANILINE
390U HEXACHLOROETHANE	390U 2-METHYL-4,6-DINITROPHENOL
390U NITROBENZENE	390U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
390U ISOPHORONE	390U 4-BROMOPHENYL PHENYL ETHER
390U 2-NITROPHENOL	390U HEXACHLOROBENZENE (HCB)
390U 2,4-DIMETHYLPHENOL	390U PENTACHLOROPHENOL
390U BIS(2-CHLOROETHOXY) METHANE	390U PHENANTHRENE
390U 2,4-DICHLOROPHENOL	390U ANTHRACENE
390U 1,2,4-TRICHLOROBENZENE	390U CARBAZOLE
390U NAPHTHALENE	390U DI-N-BUTYL PHTHALATE
390U 4-CHLOROANILINE	390U FLUORANTHENE
390U HEXACHLOROBUTADIENE	390U PYRENE
390U 4-CHLORO-3-METHYLPHENOL	390U BENZYL BUTYL PHTHALATE
390U 2-METHYLNAPHTHALENE	390U 3,3'-DICHLOROBENZIDINE
390U HEXACHLOROCYCLOPENTADIENE (HCCP)	390U BENZO(A)ANTHRACENE
390U 2,4,6-TRICHLOROPHENOL	390U CHRYSENE
390U 2,4,5-TRICHLOROPHENOL	390U BIS(2-ETHYLHEXYL) PHTHALATE
390U 2-CHLORONAPHTHALENE	390U DI-N-OCTYL PHTHALATE
390U 2-NITROANILINE	390U BENZO(B AND/OR K)FLUORANTHENE
390U DIMETHYL PHTHALATE	390U BENZO-A-PYRENE
390U ACENAPHTHYLENE	390U INDENO (1,2,3-CD) PYRENE
390U 2,6-DINITROTOLUENE	390U DIBENZO(A,H)ANTHRACENE
	390U BENZO(GH)PERYLENE
	16 PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
 *A-AVERAGE VALUE
 *K-ACTUAL VALUE
 *U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTIFICATION LIMIT.
 *R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

*NA-NOT ANALYZED
 *J-ESTIMATED VALUE
 *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
 *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN

*NAI-INTERFERENCES
 *J-ESTIMATED VALUE
 *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
 *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

EXTRACTABLE ORGANICS DATA REPORT

*** PROJECT NO. 94-0234 SAMPLE NO. 82103 SAMPLE TYPE: SOIL
** SOURCE: SUMTER INERT SITE
** STATION ID: SB-02

*** CASE NO.: 21510

SAS NO.:

D. NO.: GJ54

*** ANALYTICAL RESULTS *** ANALYTICAL RESULTS ***
UG/KG UG/KG

430U PHENOL
430U BIS(2-CHLOROETHYL) ETHER
430U 2-CHLOROPHENOL
430U 1,3-DICHLOROBENZENE
430U 1,4-DICHLOROBENZENE
430U 1,2-DICHLOROBENZENE
430U 2-METHYLPHENOL
430U 2,2'-CHLORISOPROPYLETH
120J (3-AND/OR 4-) METHYLPHENOL
430U N-NITROSODI-N-PROPYLAMINE
430U HEXACHLOROETHANE
430U NITROBENZENE
430U ISOPHORONE
430U 2-NITROPHENOL
430U 2,4-DIMETHYLPHENOL
430U BIS(2-CHLOROETHOXY) METHANE
430U 2,4-DICHLOROPHENOL
430U 1,2,4-TRICHLOROBENZENE
210U NAPHTHALENE
430U 4-CHLOROANILINE
430U HEXACHLOROBUTADIENE
430U 4-CHLORO-3-METHYLPHENOL
1100 2-METHYLNAPHTHALENE
430U HEXACHLOROCYCLOPENTADIENE (HCCP)
430U 2,4,6-TRICHLOROPHENOL
1000U 2,4,5-TRICHLOROPHENOL
430U 2-CHLORONAPHTHALENE
1000U 2-NITROANILINE
430U DIMETHYL PHTHALATE
200J ACENAPHTHYLENE
430U 2,6-DINITROTOLUENE

1000U 3-NITROANILINE
4300J ACENAPHTHENE
1000U 2,4-DINITROPHENOL
1000U 4-NITROPHENOL
2400 DIBENZOFURAN
430U 2,4-DINITROTOLUENE
430U DIETHYL PHTHALATE
430U 4-CHLOROPHENYL PHENYL ETHER
4900J FLUORENE
1000U 4-NITROANILINE
1000U 2-METHYL-4,6-DINITROPHENOL
4300J N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
4300J 4-BROMOPHENYL PHENYL ETHER
4300J HEXACHLOROBENZENE (HCB)
1000U PENTACHLOROPHENOL
30000 PHENANTHRENE
6400J ANTHRACENE
4300J CARBAZOLE
4300J DI-N-BUTYLPHTHALATE
37000 FLUORANTHENE
28000 PYRENE
4300J BENZYL BUTYL PHTHALATE
4300J 3,3'-DICHLOROBENZIDINE
22000 BENZO(A)ANTHRACENE
19000 CHRYSENE
1200J BIS(2-ETHYLHEXYL) PHTHALATE
4300J DI-N-OCTYLPHTHALATE
17000 BENZO(B AND/OR K)FLUORANTHENE
12000 BENZO-A-PYRENE
7600J INDENO (1,2,3-CD) PYRENE
2000J DIBENZO(A,H)ANTHRACENE
4300J BENZO(GH)PERYLENE
23 PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAT-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

EXTRACTABLE ORGANICS DATA REPORT

*** PROJECT NO. 94-0234 SAMPLE NO. 82104 SAMPLE TYPE: SOIL ***
 *** SOURCE: SUMTER INERT SITE ***
 *** STATION ID: SB-03 ***

*** CASE NO.: 21510 ***
 *** UG/KG ***
 *** ANALYTICAL RESULTS ***
 *** ANALYTICAL RESULTS ***

D. NO.: GJ55
 UG/KG
 ANALYTICAL RESULTS

370U PHENOL	900U 3-NITROANILINE
370U BIS(2-CHLOROETHYL) ETHER	370U ACENAPHTHENE
370U 2-CHLOROPHENOL	370U 2,4-DINITROPHENOL
370U 1,3-DICHLOROBENZENE	900U 4-NITROPHENOL
370U 1,4-DICHLOROBENZENE	370U DIBENZOFURAN
370U 1,2-DICHLOROBENZENE	370U 2,4-DINITROTOLUENE
370U 2-METHYLPHENOL	370U DIETHYL PHTHALATE
370U 2,2'-CHLOROISOPROPYLETH	370U 4-CHLOROPHENYL PHENYL ETHER
370U (3-AND/OR 4-METHYLPHENOL	370U FLUORENE
370U N-NITROSODI-N-PROPYLAMINE	900U 4-NITROANILINE
370U HEXACHLOROETHANE	370U 2-METHYL-4,6-DINITROPHENOL
370U NITROBENZENE	370U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
370U ISOPHORONE	370U 4-BROMOPHENYL PHENYL ETHER
370U 2-NITROPHENOL	370U HEXACHLOROBENZENE (HCB)
370U 2,4-DIMETHYLPHENOL	900U PENTACHLOROPHENOL
370U BIS(2-CHLOROETHOXY) METHANE	370U PHENANTHRENE
370U 2,4-DICHLOROPHENOL	370U ANTHRACENE
370U 1,2,4-TRICHLOROBENZENE	370U CARBAZOLE
370U NAPHTHALENE	370U DI-N-BUTYLPHTHALATE
370U 4-CHLOROANILINE	91J FLUORANTHENE
370U HEXACHLOROBUTADIENE	100J PYRENE
370U 4-CHLORO-3-METHYLPHENOL	370U BENZYL BUTYL PHTHALATE
370U 2-METHYLNAPHTHALENE	370U 3,3'-DICHLOROBENZIDINE
370U HEXACHLOROCYCLOPENTADIENE (HCCP)	370U BENZO(A)ANTHRACENE
370U 2,4,6-TRICHLOROPHENOL	94J CHRYSENE
900U 2,4,5-TRICHLOROPHENOL	370U BIS(2-ETHYLHEXYL) PHTHALATE
370U 2-CHLORONAPHTHALENE	370U DI-N-OCTYLPHTHALATE
900U 2-NITROANILINE	370U BENZO(B AND/OR K)FLUORANTHENE
370U DIMETHYL PHTHALATE	370U BENZO-A-PYRENE
370U ACENAPHTHYLENE	370U INDENO (1,2,3-CD) PYRENE
370U 2,6-DINITROTOLUENE	370U DIBENZO(A,H)ANTHRACENE
	370U BENZO(GH)PERYLENE
	11 PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

EXTRACTABLE ORGANICS DATA REPORT

*** PROJECT NO. 94-0234 SAMPLE NO. 82105 SAMPLE TYPE: SOIL
*** SOURCE: SUMTER INERT SITE
*** STATION ID: SB-04
*** CASE NO.: 21510
*** SAS NO.:
*** ANALYTICAL RESULTS

*** D. NO.: GJ56
*** ANALYTICAL RESULTS
*** UG/KG

390U	PHENOL	950U	3-NITROANILINE
390U	BIS(2-CHLOROETHYL) ETHER	390U	ACENAPHTHENE
390U	2-CHLOROPHENOL	950U	2,4-DINITROPHENOL
390U	1,3-DICHLOROBENZENE	950U	4-NITROPHENOL
390U	1,4-DICHLOROBENZENE	390U	DIBENZOFURAN
390U	1,2-DICHLOROBENZENE	390U	2,4-DINITROTOLUENE
390U	2-METHYLPHENOL	390U	DIETHYL PHTHALATE
390U	2,2'-CHLOROISOPROPYLETHER	390U	4-CHLOROPHENYL PHENYL ETHER
390U	(3-AND/OR 4-)METHYLPHENOL	390U	FLUORENE
390U	N-NITROSODI-N-PROPYLAMINE	950U	4-NITROANILINE
390U	HEXACHLOROETHANE	950U	2-METHYL-4,6-DINITROPHENOL
390U	NITROBENZENE	390U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
390U	ISOPHORONE	390U	4-BROMOPHENYL PHENYL ETHER
390U	2-NITROPHENOL	390U	HEXACHLOROBENZENE (HCB)
390U	2,4-DIMETHYLPHENOL	950U	PENTACHLOROPHENOL
390U	BIS(2-CHLOROETHOXY) METHANE	390U	PHENANTHRENE
390U	2,4-DICHLOROPHENOL	390U	ANTHRACENE
390U	1,2,4-TRICHLOROBENZENE	390U	CARBAZOLE
390U	NAPHTHALENE	390U	DI-N-BUTYLPHTHALATE
390U	4-CHLOROANILINE	390U	FLUORANTHENE
390U	HEXACHLOROBUTADIENE	390U	PYRENE
390U	4-CHLORO-3-METHYLPHENOL	390U	BENZYL BUTYL PHTHALATE
390U	2-METHYLNAPHTHALENE	390U	3,3'-DICHLOROBENZIDINE
390U	HEXACHLOROCYCLOPENTADIENE (HCPC)	390U	BENZO(A)ANTHRACENE
390U	2,4,6-TRICHLOROPHENOL	390U	CHRYSENE
950U	2,4,5-TRICHLOROPHENOL	390U	BIS(2-ETHYLHEXYL) PHTHALATE
390U	2-CHLORONAPHTHALENE	390U	DI-N-OCYLPHTHALATE
950U	2-NITROANILINE	390U	BENZO(B AND/OR K)FLUORANTHENE
390U	DIMETHYL PHTHALATE	390U	BENZO-A-PYRENE
390U	ACENAPHTHYLENE	390U	INDENO (1,2,3-CD) PYRENE
390U	2,6-DINITROTOLUENE	390U	DIBENZO(A,H)ANTHRACENE
		390U	BENZO(GH)PERYLENE
			PERCENT MOISTURE
			16

REMARKS

REMARKS

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

EXTRACTABLE ORGANICS DATA REPORT

*** PROJECT NO. 94-0234 SAMPLE NO. 82106 SAMPLE TYPE: SOIL
*** SOURCE: SUMTER INERT SITE
*** STATION ID: SD-05

*** CASE NO.: 21510
*** SAS NO.:
*** ANALYTICAL RESULTS
*** UG/KG

D. NO.: GJ57
*** ANALYTICAL RESULTS
*** UG/KG

PROG ELEM: NSF COLLECTED BY: FM CARNS
CITY: SUMTER
COLLECTION START: 01/12/94 1030 STOP: 00/00/00

750U PHENOL	1800U 3-NITROANILINE
750U BIS(2-CHLOROETHYL) ETHER	750U ACENAPHTHENE
750U 2-CHLOROPHENOL	1800U 2,4-DINITROPHENOL
750U 1,3-DICHLOROBENZENE	1800U 4-NITROPHENOL
750U 1,4-DICHLOROBENZENE	750U DIBENZOFURAN
750U 1,2-DICHLOROBENZENE	750U 2,4-DINITROTOLUENE
750U 2-METHYLPHENOL	750U DIETHYL PHTHALATE
750U 2,2'-CHLOROISOPROPYLETHYR	750U 4-CHLOROPHENYL PHENYL ETHER
750U (3-AND/OR 4-)METHYLPHENOL	750U FLUORENE
750U N-NITROSODI-N-PROPYLAMINE	1800U 4-NITROANILINE
750U HEXACHLOROETHANE	1800U 2-METHYL-4,6-DINITROPHENOL
750U NITROBENZENE	750U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
750U ISOPHORONE	750U 4-BROMOPHENYL PHENYL ETHER
750U 2-NITROPHENOL	750U HEXACHLOROBENZENE (HCB)
750U 2,4-DIMETHYLPHENOL	1800U PENTACHLOROPHENOL
750U BIS(2-CHLOROETHOXY) METHANE	750U PHENANTHRENE
750U 2,4-DICHLOROPHENOL	750U ANTHRACENE
750U 1,2,4-TRICHLOROBENZENE	750U CARBAZOLE
750U NAPHTHALENE	750U DI-N-BUTYL PHTHALATE
750U 4-CHLOROANILINE	100J FLUORANTHENE
750U HEXACHLOROBUTADIENE	750U PYRENE
750U 4-CHLORO-3-METHYLPHENOL	750U BENZYL BUTYL PHTHALATE
750U 2-METHYLNAPHTHALENE	750U 3,3'-DICHLOROBENZIDINE
750U HEXACHLOROCYCLOPENTADIENE (HCCP)	750U BENZO(A)ANTHRACENE
1800U 2,4,6-TRICHLOROPHENOL	750U CHRYSENE
750U 2,4,5-TRICHLOROPHENOL	750U BIS(2-ETHYLHEXYL) PHTHALATE
750U 2-CHLORONAPHTHALENE	750U DI-N-OCTYL PHTHALATE
750U DIMETHYL PHTHALATE	750U BENZO(B AND/OR K)FLUORANTHENE
750U ACENAPHTHYLENE	750U BENZO-A-PYRENE
750U 2,6-DINITROTOLUENE	750U INDENO (1,2,3-CD) PYRENE
	750U DIBENZO(A,H)ANTHRACENE
	750U BENZO(GH)PERYLENE
	56 PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

EXTRACTABLE ORGANICS DATA REPORT

*** PROJECT NO. 94-0234 SAMPLE NO. 82107 SAMPLE TYPE: SURFACEWA
*** SOURCE: SUMTER INERT SITE
*** STATION ID: SW-05
*** CASE NO.: 21510
*** SAS NO.:
*** D. NO.: GJ58
*** COLLECTION START: 01/12/94 1015 STOP: 00/00/00
*** CITY: SUMTER
*** COLLECTED BY: FM CARNS
*** STATE: SC

*** ANALYTICAL RESULTS
*** UG/L
*** ANALYTICAL RESULTS

10U PHENOL	25U 3-NITROANILINE
10U BIS(2-CHLOROETHYL) ETHER	10U ACENAPHTHENE
10U 2-CHLOROPHENOL	25U 2,4-DINITROPHENOL
10U 1,3-DICHLOROBENZENE	25U 4-NITROPHENOL
10U 1,4-DICHLOROBENZENE	10U DIBENZOFURAN
10U 1,2-DICHLOROBENZENE	10U 2,4-DINITROTOLUENE
10U 2-METHYLPHENOL	10U DIETHYL PHTHALATE
10U 2,2'-CHLOROISOPROPYLETH	10U 4-CHLOROPHENYL PHENYL ETHER
10U (3-AND/OR 4-)METHYLPHENOL	10U FLUORENE
10U N-NITROSODI-N-PROPYLAMINE	25U 4-NITROANILINE
10U HEXACHLOROETHANE	25U 2-METHYL-4,6-DINITROPHENOL
10U NITROBENZENE	10U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U ISOPHORONE	10U 4-BROMOPHENYL PHENYL ETHER
10U 2-NITROPHENOL	10U HEXACHLOROBENZENE (HCB)
10U 2,4-DIMETHYLPHENOL	25U PENTACHLOROPHENOL
10U BIS(2-CHLOROETHOXY) METHANE	10U PHENANTHRENE
10U 2,4-DICHLOROPHENOL	10U ANTHRACENE
10U 1,2,4-TRICHLOROBENZENE	10U CARBAZOLE
10U NAPHTHALENE	10U DI-N-BUTYL PHTHALATE
10U 4-CHLOROANILINE	10U FLUORANTHENE
10U HEXACHLOROBUTADIENE	10U PYRENE
10U 4-CHLORO-3-METHYLPHENOL	10U BENZYL BUTYL PHTHALATE
10U 2-METHYLNAPHTHALENE	10U 3,3'-DICHLOROBENZIDINE
10U HEXACHLOROCYCLOPENTADIENE (HCCP)	10U BENZO(A)ANTHRACENE
10U 2,4,6-TRICHLOROPHENOL	10U CHRYSENE
25U 2,4,5-TRICHLOROPHENOL	10U BIS(2-ETHYLHEXYL) PHTHALATE
10U 2-CHLORONAPHTHALENE	10U DI-N-OCTYL PHTHALATE
25U 2-NITROANILINE	10U BENZO(B AND/OR K)FLUORANTHENE
10U DIMETHYL PHTHALATE	10U BENZO-A-PYRENE
10U ACENAPHTHYLENE	10U INDENO (1,2,3-CD) PYRENE
10U 2,6-DINITROTOLUENE	10U DIBENZO(A,H)ANTHRACENE
	10U BENZO(GH)PERYLENE

REMARKS

REMARKS

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

EXTRACTABLE ORGANICS DATA REPORT
*** PROJECT NO. 94-0234 SAMPLE NO. 82108 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: FM CARNS
*** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC
*** STATION ID: SW-08 COLLECTION START: 01/12/94 1200 STOP: 00/00/00
*** CASE NO.: 21510 SAS NO.: D. NO.: 6459
*** UG/L ANALYTICAL RESULTS UG/L ANALYTICAL RESULTS

10U PHENOL	25U 3-NITROANILINE
10U BIS(2-CHLOROETHYL) ETHER	10U ACENAPHTHENE
10U 2-CHLOROPHENOL	25U 2,4-DINITROPHENOL
10U 1,3-DICHLOROBENZENE	25U 4-NITROPHENOL
10U 1,4-DICHLOROBENZENE	10U DIBENZOFURAN
10U 1,2-DICHLOROBENZENE	10U 2,4-DINITROTOLUENE
10U 2-METHYLPHENOL	10U DIETHYL PHTHALATE
10U 2,2'-CHLOROSOPROPYLETHYR	10U 4-CHLOROPHENYL PHENYL ETHER
10U (3-AND/OR 4-)METHYLPHENOL	10U FLUORENE
10U N-NITROSODI-N-PROPYLAMINE	25U 4-NITROANILINE
10U HEXACHLOROETHANE	25U 2-METHYL-4,6-DINITROPHENOL
10U NITROBENZENE	10U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U ISOPHORONE	10U 4-BROMOPHENYL PHENYL ETHER
10U 2-NITROPHENOL	25U HEXACHLOROBENZENE (HCB)
10U 2,4-DIMETHYLPHENOL	10U PENTACHLOROPHENOL
10U BIS(2-CHLOROETHOXY) METHANE	10U PHENANTHRENE
10U 2,4-DICHLOROPHENOL	10U ANTHRACENE
10U 1,2,4-TRICHLOROBENZENE	10U CARBAZOLE
10U NAPHTHALENE	10U DI-N-BUTYL PHTHALATE
10U 4-CHLOROANILINE	10U FLUORANTHENE
10U HEXACHLOROBUTADIENE	10U PYRENE
10U 4-CHLORO-3-METHYLPHENOL	10U BENZYL BUTYL PHTHALATE
10U 2-METHYLNAPHTHALENE	10U 3,3',-DICHLOROBENZIDINE
10U HEXACHLOROCYCLOPENTADIENE (HCCP)	10U BENZO(A)ANTHRACENE
10U 2,4,6-TRICHLOROPHENOL	10U CHRYSENE
10U 2,4,5-TRICHLOROPHENOL	10U BIS(2-ETHYLHEXYL) PHTHALATE
10U 2-CHLORONAPHTHALENE	10U DI-N-OCTYLPHTHALATE
25U 2-NITROANILINE	10U BENZO(B AND/OR K)FLUORANTHENE
10U DIMETHYL PHTHALATE	10U BENZO-A-PYRENE
10U ACENAPHTHYLENE	10U INDENO (1,2,3-CD) PYRENE
10U 2,6-DINITROTOLUENE	10U DIBENZO(A,H)ANTHRACENE
	10U BENZO(GHI)PERYLENE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

EXTRACTABLE ORGANICS DATA REPORT

*** PROJECT NO. 94-0234 SAMPLE NO. 82109 SAMPLE TYPE: SOIL
 *** SOURCE: SUMTER INERT SITE
 *** STATION ID: SD-08
 *** CASE NO.: 21510
 *** SAS NO.:
 *** ANALYTICAL RESULTS
 *** ANALYTICAL RESULTS
 *** ANALYTICAL RESULTS

D. NO.: GJ60

UG/KG

430U	PHENOL	1000U	3-NITROANILINE
430U	BIS(2-CHLOROETHYL) ETHER	430U	ACENAPHTHENE
430U	2-CHLOROPHENOL	1000U	2,4-DINITROPHENOL
430U	1,3-DICHLOROBENZENE	1000U	4-NITROPHENOL
430U	1,4-DICHLOROBENZENE	430U	DIBENZOFURAN
430U	1,2-DICHLOROBENZENE	430U	2,4-DINITROTOLUENE
430U	2-METHYLPHENOL	430U	DIETHYL PHTHALATE
430U	2,2'-CHLOROISOPROPYLETHYER	430U	4-CHLOROPHENYL PHENYL ETHER
430U	(3-AND/OR 4-)METHYLPHENOL	1000U	FLUORENE
430U	N-NITROSODI-N-PROPYLAMINE	1000U	4-NITROANILINE
430U	HEXACHLOROETHANE	430U	2-METHYL-4,6-DINITROPHENOL
430U	NITROBENZENE	430U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
430U	ISOPHORONE	430U	4-BROMOPHENYL PHENYL ETHER
430U	2-NITROPHENOL	430U	HEXACHLOROBENZENE (HCB)
430U	2,4-DIMETHYLPHENOL	1000U	PENTACHLOROPHENOL
430U	BIS(2-CHLOROETHOXY) METHANE	430U	PHENANTHRENE
430U	2,4-DICHLOROPHENOL	430U	ANTHRACENE
430U	1,2,4-TRICHLOROBENZENE	430U	CARBAZOLE
430U	NAPHTHALENE	430U	DI-N-BUTYLPHTHALATE
430U	4-CHLOROANILINE	55J	FLUORANTHENE
430U	HEXACHLOROBUTADIENE	60J	PYRENE
430U	4-CHLORO-3-METHYLPHENOL	430U	BENZYL BUTYL PHTHALATE
430U	2-METHYLNAPHTHALENE	430U	3,3'-DICHLOROBENZIDINE
430U	HEXACHLOROCYCLOPENTADIENE (HCCP)	430U	BENZO(A)ANTHRACENE
430U	2,4,6-TRICHLOROPHENOL	430U	CHRYSENE
1000U	2,4,5-TRICHLOROPHENOL	430U	BIS(2-ETHYLHEXYL) PHTHALATE
430U	2-CHLORONAPHTHALENE	430U	DI-N-OCTYLPHTHALATE
1000U	2-NITROANILINE	430U	BENZO(B AND/OR K)FLUORANTHENE
430U	DIMETHYL PHTHALATE	430U	BENZO-A-PYRENE
430U	ACENAPHTHYLENE	430U	INDENO (1,2,3-CD) PYRENE
430U	2,6-DINITROTOLUENE	430U	DIBENZO(A,H)ANTHRACENE
		430U	BENZO(GH)PERYLENE
		24	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

EXTRACTABLE ORGANICS DATA REPORT

*** PROJECT NO. 94-0234 SAMPLE NO. 82110 ***
*** SOURCE: SUMTER INERT SITE ***
*** STATION ID: MM-09 ***

PROG ELEM: NSF COLLECTED BY: FM CARNS
CITY: SUMTER ST: SC
COLLECTION START: 01/12/94 1055 STOP: 00/00/00

CASE NO.: 21510

SAS NO.: D. NO.: GJ61

ANALYTICAL RESULTS

ug/L

ANALYTICAL RESULTS

10U	PHENOL	25U	3-NITROANILINE
10U	BIS(2-CHLOROETHYL) ETHER	10U	ACENAPHTHENE
10U	2-CHLOROPHENOL	25U	2,4-DINITROPHENOL
10U	1,3-DICHLOROBENZENE	25U	4-NITROPHENOL
10U	1,4-DICHLOROBENZENE	10U	DIBENZOFURAN
10U	1,2-DICHLOROBENZENE	10U	2,4-DINITROTOLUENE
10U	2-METHYLPHENOL	10U	DIETHYL PHTHALATE
10U	2,2'-CHLOROISOPROPYLETHET	10U	4-CHLOROPHENYL PHENYL ETHER
10U	(3-AND/OR 4-)METHYLPHENOL	10U	FLUORENE
10U	N-NITROSODI-N-PROPYLAMINE	25U	4-NITROANILINE
10U	HEXACHLOROETHANE	25U	2-METHYL-4,6-DINITROPHENOL
10U	NITROBENZENE	10U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	ISOPHORONE	10U	4-BROMOPHENYL PHENYL ETHER
10U	2-NITROPHENOL	25U	HEXACHLOROBENZENE (HCB)
10U	BIS(2-CHLOROETHOXY) METHANE	10U	PENTACHLOROPHENOL
10U	2,4-DICHLOROPHENOL	10U	PHENANTHRENE
10U	1,2,4-TRICHLOROBENZENE	10U	ANTHRACENE
10U	NAPHTHALENE	10U	CARBAZOLE
10U	4-CHLOROANILINE	10U	DI-N-BUTYL PHTHALATE
10U	HEXACHLOROBUTADIENE	10U	FLUORANTHENE
10U	4-CHLORO-3-METHYLPHENOL	10U	PYRENE
10U	2-METHYLNAPHTHALENE	10U	BENZYL BUTYL PHTHALATE
10U	HEXACHLOROCYCLOPENTADIENE (HCCP)	10U	3,3'-DICHLOROBENZIDINE
25U	2,4,6-TRICHLOROPHENOL	10U	BENZO(A)ANTHRACENE
10U	2,4,5-TRICHLOROPHENOL	10U	CHRYSENE
10U	2-CHLORONAPHTHALENE	10U	BIS(2-ETHYLHEXYL) PHTHALATE
25U	2-NITROANILINE	10U	DI-N-OCTYL PHTHALATE
10U	DIMETHYL PHTHALATE	10U	BENZO(B AND/OR K)FLUORANTHENE
10U	ACENAPHTHYLENE	10U	BENZO-A-PYRENE
10U	2,6-DINITROTOLUENE	10U	INDENO (1,2,3-CD) PYRENE
		10U	DIBENZO(A,H)ANTHRACENE
		10U	BENZO(GHI)PERYLENE

REMARKS

REMARKS

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

EXTRACTABLE ORGANICS DATA REPORT

*** PROJECT NO. 94-0234 *** SAMPLE NO. 82111 ***
*** SOURCE: SUMTER INERT SITE ***
*** STATION ID: MW-12 ***

PROG ELEM: NSF COLLECTED BY: FM CARNS
CITY: SUMTER ST: SC
COLLECTION START: 01/12/94 1215 STOP: 00/00/00

CASE NO.: 21510 SAS NO.: D. NO.: GUG2
UG/L ANALYTICAL RESULTS UG/L ANALYTICAL RESULTS

100	PHENOL	250	3-NITROANILINE
100	BIS(2-CHLOROETHYL) ETHER	100	ACENAPHTHENE
100	2-CHLOROPHENOL	250	2,4-DINITROPHENOL
100	1,3-DICHLOROBENZENE	250	4-NITROPHENOL
100	1,4-DICHLOROBENZENE	100	DIBENZOFURAN
100	1,2-DICHLOROBENZENE	100	2,4-DINITROTOLUENE
100	2-METHYLPHENOL	100	DIETHYL PHTHALATE
100	2,2'-CHLOROISOPROPYL ETHER	100	4-CHLOROPHENYL PHENYL ETHER
100	(3-AND/OR 4-)METHYLPHENOL	100	FLUORENE
100	N-NITROSODI-N-PROPYLAMINE	250	4-NITROANILINE
100	HEXACHLOROETHANE	250	2-METHYL-4,6-DINITROPHENOL
100	NITROBENZENE	100	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
100	ISOPHORONE	100	4-BROMOPHENYL PHENYL ETHER
100	2,4-DIMETHYLPHENOL	250	HEXACHLOROBENZENE (HCB)
100	BIS(2-CHLOROETHOXY) METHANE	100	PENANTHRENE
100	2,4-DICHLOROPHENOL	100	ANTHRACENE
100	1,2,4-TRICHLOROBENZENE	100	CARBAZOLE
100	NAPHTHALENE	100	DI-N-BUTYL PHTHALATE
100	4-CHLOROANILINE	100	FLUORANTHENE
100	HEXACHLOROBTADIENE	100	PYRENE
100	4-CHLORO-3-METHYLPHENOL	100	BENZYL BUTYL PHTHALATE
100	2-METHYLNAPHTHALENE	100	3,3'-DICHLOROBENZIDINE
100	HEXACHLOROCYCLOPENTADIENE (HCCP)	100	BENZO(A)ANTHRACENE
250	2,4,5-TRICHLOROPHENOL	100	CHRYSENE
250	2-CHLORONAPHTHALENE	100	BIS(2-ETHYLHEXYL) PHTHALATE
100	2-NITROANILINE	100	DI-N-OCTYL PHTHALATE
100	DIMETHYL PHTHALATE	100	BENZO(B AND/OR K)FLUORANTHENE
100	ACENAPHTHYLENE	100	BENZO(A-PYRENE
100	2,6-DINITROTOLUENE	100	INDENO (1,2,3-CD) PYRENE
		100	DIBENZO(A,H)ANTHRACENE
		100	BENZO(GHI)PERYLENE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

EXTRACTABLE ORGANICS DATA REPORT

*** PROJECT NO. 94-0234 SAMPLE NO. 82112 SAMPLE TYPE: GROUNDWA
*** SOURCE: SUMTER INERT SITE
*** STATION ID: MW-10
*** COLLECTION START: 01/12/94 1310 STOP: 00/00/00

*** CASE NO.: 21510 SAS NO.: D. NO.: GJ63
*** UG/L ANALYTICAL RESULTS ANALYTICAL RESULTS

10U PHENOL	25U 3-NITROANILINE
10U BIS(2-CHLOROETHYL) ETHER	10U ACENAPHTHENE
10U 2-CHLOROPHENOL	25U 2,4-DINITROPHENOL
10U 1,3-DICHLOROBENZENE	25U 4-NITROPHENOL
10U 1,4-DICHLOROBENZENE	10U DIBENZOFURAN
10U 1,2-DICHLOROBENZENE	10U 2,4-DINITROTOLUENE
10U 2-METHYLPHENOL	10U DIETHYL PHTHALATE
10U 2,2'-CHLOROISOPROPYLETH	10U 4-CHLOROPHENYL PHENYL ETHER
10U (3-AND/OR 4-)METHYLPHENOL	10U FLUORENE
10U N-NITROSODI-N-PROPYLAMINE	25U 4-NITROANILINE
10U HEXACHLOROETHANE	25U 2-METHYL-4,6-DINITROPHENOL
10U NITROBENZENE	10U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U ISOPHORONE	10U 4-BROMOPHENYL PHENYL ETHER
10U 2-NITROPHENOL	10U HEXACHLOROBENZENE (HCB)
10U 2,4-DIMETHYLPHENOL	25U PENTACHLOROPHENOL
10U BIS(2-CHLOROETHOXY) METHANE	10U PHENANTHRENE
10U 2,4-DICHLOROPHENOL	10U ANTHRACENE
10U 1,2,4-TRICHLOROBENZENE	10U CARBAZOLE
10U NAPHTHALENE	10U DI-N-BUTYL PHTHALATE
10U 4-CHLOROANILINE	10U FLUORANTHENE
10U HEXACHLOROBUTADIENE	10U PYRENE
10U 4-CHLORO-3-METHYLPHENOL	10U BENZYL BUTYL PHTHALATE
10U 2-METHYLNAPHTHALENE	10U 3,3'-DICHLOROBENZIDINE
10U HEXACHLOROCYCLOPENTADIENE (HCCP)	10U BENZO(A)ANTHRACENE
10U 2,4,6-TRICHLOROPHENOL	10U CHRYSENE
25U 2,4,5-TRICHLOROPHENOL	10U BIS(2-ETHYLHEXYL) PHTHALATE
10U 2-CHLORONAPHTHALENE	10U DI-N-OCTYL PHTHALATE
10U 2-NITROANILINE	10U BENZO(B AND/OR K)FLUORANTHENE
10U DIMETHYL PHTHALATE	10U BENZO-A-PYRENE
10U ACENAPHTHYLENE	10U INDENO (1,2,3-CD) PYRENE
10U 2,6-DINITROTOLUENE	10U DIBENZO(A,H)ANTHRACENE
	10U BENZO(GHI)PERYLENE

REMARKS

REMARKS

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

EXTRACTABLE ORGANICS DATA REPORT

*** PROJECT NO. 94-0234 SAMPLE NO. 82113 SAMPLE TYPE: GROUNDWATER
*** SOURCE: SUMTER INERT SITE
*** STATION ID: MM-11

*** PROG ELEM: NSF COLLECTED BY: FM CARNS
*** CITY: SUMTER ST: SC
*** COLLECTION START: 01/12/94 1420 STOP: 00/00/00

*** CASE NO.: 21510

SAS NO.:

D. NO.: Gu64

UG/L

ANALYTICAL RESULTS

UG/L

ANALYTICAL RESULTS

10U	PHENOL	25U	3-NITROANILINE
10U	BIS(2-CHLOROETHYL) ETHER	10U	ACENAPHTHENE
10U	2-CHLOROPHENOL	25U	2,4-DINITROPHENOL
10U	1,3-DICHLOROBENZENE	25U	4-NITROPHENOL
10U	1,4-DICHLOROBENZENE	10U	DIBENZOFURAN
10U	1,2-DICHLOROBENZENE	10U	2,4-DINITROTOLUENE
10U	2-METHYLPHENOL	10U	DIETHYL PHTHALATE
10U	2,2'-CHLOROISOPROPYL ETHER	10U	4-CHLOROPHENYL PHENYL ETHER
10U	(3-AND/OR 4-)METHYLPHENOL	10U	FLUORENE
10U	N-NITROSODI-N-PROPYLAMINE	25U	4-NITROANILINE
10U	HEXACHLOROETHANE	25U	2-METHYL-4,6-DINITROPHENOL
10U	NITROBENZENE	10U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	ISOPHORONE	10U	4-BROMOPHENYL PHENYL ETHER
10U	2-NITROPHENOL	25U	HEXACHLOROBENZENE (HCB)
10U	BIS(2-CHLOROETHOXY) METHANE	10U	PENTACHLOROPHENOL
10U	2,4-DICHLOROPHENOL	10U	PHENANTHRENE
10U	1,2,4-TRICHLOROBENZENE	10U	ANTHRACENE
7J	NAPHTHALENE	10U	CARBAZOLE
10U	4-CHLOROANILINE	10U	DI-N-BUTYL PHTHALATE
10U	HEXACHLOROBUTADIENE	2J	FLUORANTHENE
10U	4-CHLORO-3-METHYLPHENOL	10U	PYRENE
10U	2-METHYLNAPHTHALENE	10U	BENZYL BUTYL PHTHALATE
10U	HEXACHLOROCYCLOPENTADIENE (HCCP)	10U	3,3'-DICHLOROBENZIDINE
10U	2,4,6-TRICHLOROPHENOL	10U	BENZO(A)ANTHRACENE
25U	2,4,5-TRICHLOROPHENOL	10U	CHRYSENE
10U	2-CHLORONAPHTHALENE	10U	BIS(2-ETHYLHEXYL) PHTHALATE
25U	2-NITROANILINE	10U	DI-N-OCTYL PHTHALATE
10U	DIMETHYL PHTHALATE	10U	BENZO(B AND/OR K)FLUORANTHENE
10U	ACENAPHTHYLENE	10U	BENZO-A-PYRENE
10U	2,6-DINITROTOLUENE	10U	INDENO (1,2,3-CD) PYRENE
		10U	DIBENZO(A,H)ANTHRACENE
		10U	BENZO(GHI)PERYLENE

REMARKS

REMARKS

FOOTNOTES

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

EXTRACTABLE ORGANICS DATA REPORT

*** PROJECT NO. 94-0234 SAMPLE NO. 82114 SAMPLE TYPE: SOIL
 *** SOURCE: SUMTER INERT SITE
 *** STATION ID: SB-13
 *** CASE NO.: 21510
 *** SAS NO.:
 *** D. NO.: GJ65
 *** COLLECTION START: 01/12/94 1010 STOP: 00/00/00
 *** CITY: SUMTER
 *** PROG ELEM: NSF COLLECTED BY: FM CARNS
 *** ST: SC

*** ANALYTICAL RESULTS
 *** ANALYTICAL RESULTS
 *** ANALYTICAL RESULTS

390U	PHENOL	950U	3-NITROANILINE
390U	BIS(2-CHLOROETHYL) ETHER	390U	ACENAPHTHENE
390U	2-CHLOROPHENOL	950U	2,4-DINITROPHENOL
390U	1,3-DICHLOROBENZENE	950U	4-NITROPHENOL
390U	1,4-DICHLOROBENZENE	390U	DIBENZOFURAN
390U	1,2-DICHLOROBENZENE	390U	2,4-DINITROTOLUENE
390U	2-METHYLPHENOL	390U	DIETHYL PHTHALATE
390U	2,2'-CHLOROISOPROPYLETHYR	390U	4-CHLOROPHENYL PHENYL ETHER
390U	(3-AND/OR 4-)METHYLPHENOL	390U	FLUORENE
390U	N-NITROSODI-N-PROPYLAMINE	950U	4-NITROANILINE
390U	HEXACHLOROETHANE	950U	2-METHYL-4,6-DINITROPHENOL
390U	NITROBENZENE	390U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
390U	ISOPHORONE	390U	4-BROMOPHENYL PHENYL ETHER
390U	2-NITROPHENOL	950U	HEXACHLOROBENZENE (HCB)
390U	2,4-DIMETHYLPHENOL	950U	PENTACHLOROPHENOL
390U	BIS(2-CHLOROETHOXY) METHANE	390U	PHENANTHRENE
390U	2,4-DICHLOROPHENOL	390U	ANTHRACENE
390U	1,2,4-TRICHLOROBENZENE	390U	CARBAZOLE
390U	NAPHTHALENE	390U	DI-N-BUTYL PHTHALATE
390U	4-CHLOROANILINE	390U	FLUORANTHENE
390U	HEXACHLOROBUTADIENE	390U	PYRENE
390U	4-CHLORO-3-METHYLPHENOL	390U	BENZYL BUTYL PHTHALATE
390U	2-METHYLNAPHTHALENE	390U	3,3'-DICHLOROBENZIDINE
390U	HEXACHLOROCYCLOPENTADIENE (HCCP)	390U	BENZO(A)ANTHRACENE
390U	2,4,6-TRICHLOROPHENOL	390U	CHRYSENE
950U	2,4,5-TRICHLOROPHENOL	390U	BIS(2-ETHYLHEXYL) PHTHALATE
390U	2-CHLORONAPHTHALENE	390U	DI-N-OCTYL PHTHALATE
950U	2-NITROANILINE	390U	BENZO(B AND/OR K)FLUORANTHENE
390U	DIMETHYL PHTHALATE	390U	BENZO-A-PYRENE
390U	ACENAPHTHYLENE	390U	INDENO (1,2,3-CD) PYRENE
390U	2,6-DINITROTOLUENE	390U	DIBENZO(A,H)ANTHRACENE
		390U	BENZO(GH)PERYLENE
		16	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

*** **
** PROJECT NO. 94-0234 SAMPLE NO. 82103 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SB-02 COLLECTION START: 01/12/94 1150 STOP: 00/00/00 **
** CASE NO.: 21510 SAS NO.: D. NO.: GJ54 MD NO: GJ54 **
**

ANALYTICAL RESULTS UG/KG

600JN 1-METHYLNAPHTHALENE
700JN DIMETHYLNAPHTHALENE
500JN DIHYDROFLUORENE
800JN METHYLDIBENZOFURAN
500JN METHYLFLUORENE
700JN FLUORENONE
700JN DIBENZOTHIOPHENE
2000JN METHYLANTHRACENE (2 ISOMERS)
2000JN CYCLOBUTAPHENANTHRENE
600JN PHENYLNAPHTHALENE
600JN ANTHRACENEDIONE
500JN CYCLOPENTAPHENANTHRENONE
10000JN BENZOFLUORENE (3 ISOMERS)
4000JN BENZANTHRACENONE (2 ISOMERS)
3000JN BENZONAPHTHOTHIOPHENE
2000JN BENZOPYRENE (NOT A)
4000J 2 UNIDENTIFIED COMPOUNDS

FOOTNOTES

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

*** ** ** ** **
** PROJECT NO. 94-0234 SAMPLE NO. 82104 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SB-03 COLLECTION START: 01/12/94 1040 STOP: 00/00/00 **
** CASE NO.: 21510 SAS NO.: D. NO.: GJ55 MD NO: GJ55 **
*** ** ** *****

ANALYTICAL RESULTS UG/KG

3000J 7 UNIDENTIFIED COMPOUNDS

FOOTNOTES

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

** PROJECT NO. 94-0234 SAMPLE NO. 82105 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SB-04 COLLECTION START: 01/12/94 1225 STOP: 00/00/00 **
** CASE NO.: 21510 SAS NO.: D. NO.: GJ56 MD NO: GJ56 **
**

ANALYTICAL RESULTS UG/KG

1000J 3 UNIDENTIFIED COMPOUNDS

FOOTNOTES

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

** PROJECT NO. 94-0234 SAMPLE NO. 82106 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SD-05 COLLECTION START: 01/12/94 1030 STOP: 00/00/00 **
** CASE NO.: 21510 SAS NO.: D. NO.: GJ57 MD NO: GJ57 **
**

ANALYTICAL RESULTS UG/KG

20000J 12 UNIDENTIFIED COMPOUNDS
800JN HEXADECANOIC ACID

FOOTNOTES

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

```
*** ** ** ** **
** PROJECT NO. 94-0234 SAMPLE NO. 82109 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SD-08 COLLECTION START: 01/12/94 1215 STOP: 00/00/00 **
** CASE NO.: 21510 SAS NO.: D. NO.: GJ60 MD NO: GJ60 **
*** ** ** **/
```

ANALYTICAL RESULTS UG/KG

3000J 6 UNIDENTIFIED COMPOUNDS

FOOTNOTES

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

*** **
** PROJECT NO. 94-0234 SAMPLE NO. 82110 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: MW-09 COLLECTION START: 01/12/94 1055 STOP: 00/00/00 **
** CASE NO.: 21510 SAS NO.: D. NO.: GJ61 MD NO: GJ61 **
*** **

ANALYTICAL RESULTS UG/L

10J 1 UNIDENTIFIED COMPOUND

FOOTNOTES

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

*** **
** PROJECT NO. 94-0234 SAMPLE NO. 82111 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: MW-12 COLLECTION START: 01/12/94 1215 STOP: 00/00/00 **
** CASE NO.: 21510 SAS NO.: D. NO.: GJ62 MD NO: GJ62 **
*** **

ANALYTICAL RESULTS UG/L

30J 1 UNIDENTIFIED COMPOUND

FOOTNOTES

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

*** ** ** ** **
** PROJECT NO. 94-0234 SAMPLE NO. 82112 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: MW-10 COLLECTION START: 01/12/94 1310 STOP: 00/00/00 **
** CASE.NO.: 21510 SAS NO.: D. NO.: GJ63 MD NO: GJ63 **
** ** ** **

ANALYTICAL RESULTS UG/L

10JN BUTYLBENZENESULFONAMIDE
3JN DICHLOROPROPANOL, PHOSPHATE

FOOTNOTES

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

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** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: MW-11 COLLECTION START: 01/12/94 1420 STOP: 00/00/00 **
** CASE NO.: 21510 SAS NO.: D. NO.: GJ64 MD NO: GJ64 **
*** **

ANALYTICAL RESULTS UG/L

40J 4 UNIDENTIFIED COMPOUNDS
6JN BENZOTHIAZOLONE

FOOTNOTES

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

*** **
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** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SB-13 COLLECTION START: 01/12/94 1010 STOP: 00/00/00 **
** CASE.NO.: 21510 SAS NO.: D. NO.: GJ65 MD NO: GJ65 **
*** **

ANALYTICAL RESULTS UG/KG

90JN HEXADECANOIC ACID
100JN TOCOPHEROL

FOOTNOTES

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SITE INSPECTION PRIORITIZATION
SUMTER INERT SITE
SCD 981 474 729
SUMTER COUNTY

Low Priority
09/15/92
EST

COMPLETED BY: HARVEY S. DANIEL
REVIEWED BY: GERALD STEWART *JS*
SITE SCREENING SECTION
BUREAU OF SOLID & HAZARDOUS WASTE MANAGEMENT
SOUTH CAROLINA DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL
2600 BULL STREET
COLUMBIA, SC 29201

DATE COMPLETED:
September 8, 1992

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SUMTER INERT SITE
SCD 981 474 729
PAGE 1

I. SCOPE OF WORK

Pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986, the United States Environmental Protection Agency (U.S. EPA) in March 1991, began implementation of significant revisions in the Hazard Ranking System (HRS) used to evaluate sites for inclusion on the National Priority List (NPL) for Superfund cleanup. Because of the extent of the changes, sites that had CERCLA/SARA inspections prior to the revisions are generally lacking the required data for evaluation under the revised HRS. A Site Inspection Prioritization (SIP) is designed to reevaluate sites using the revised HRS. The SIP involves reviewing the files, identifying data gaps, and updating target information on the site.

The South Carolina Department of Health & Environmental Control (SCDHEC) has been tasked by the U.S. EPA to conduct a SIP on the Sumter Inert Site. The Sumter Inert Site was the subject of a CERCLA/SARA Site Screening Investigation (SSI) completed by the SCDHEC in January 1988. Because of the relatively recent date of the SSI, this SIP relies to some extent on the findings of the SSI.

II. EXECUTIVE SUMMARY

The Sumter Inert Site is located in Sumter County on the outskirts of the City of Sumter, S.C. The unlined landfill at the site was operated by the City from 1958 until 1971, and operated by Sumter County from 1971 until 1991. Southern Coating has disposed waste bags containing metallic waste, and drums containing paint sludge into the landfill at the site. Southern Coating also disposed liquid waste containing paints and solvents into a lagoon at the site. Santee Printing disposed liquid waste containing solvents into the lagoon.

Analysis of groundwater in a monitoring well at the site in June 1981 found, among other substances, lead, chromium, and cadmium. It is probable that these substances are attributable to the site. Groundwater wells located within four miles of the site are the sole source of potable water for approximately 54,495 people. Surface water samples were not taken during the SSI in 1987; however, since the site is partially located in Green Swamp, there is a high potential for hazardous substances to be released from the site to perennial surface water. Drinking water treatment plant intakes are not located within fifteen miles downstream of the site, however fishing occurs within fifteen miles downstream. The Pocotaligo River flows through Green Swamp at the site. At least 45 miles of freshwater wetlands are contiguous with the River within fifteen miles downstream of the site. Habitats for endangered species are not located within fifteen miles downstream of the site. Because the landfill is not completely covered at the present time, there is potential for hazardous substances to be released to the atmosphere at the site. Approximately 51,305 people live within four miles of the site. A habitat for an endangered species and a habitat for a species under federal status review are located within four miles of the site.

It is probable that hazardous substances in the groundwater at the site are attributable to the site. A large number of people are supplied water by wells located within four miles of the site. There is potential for hazardous substances from the site to be released to perennial surface and the atmosphere. Therefore, the site is given a high priority for an Expanded Site Inspection.

III. SITE BACKGROUND AND HISTORY

A. Ownership History

Owner

Unspecified time until present
City of Sumter
21 North Main Street
Sumter, S.C. 29150
Telephone: (803) 773-3371
Contact: Talmage Tobias, City Manager
(Owns the property on which the Sumter Inert Site (SIS) is located.) (Ref. 1).

Operators

Circa 1958 until 1971
City of Sumter
21 North Main Street
Sumter, S.C. 29150
Telephone: (803) 773-3371
Contact: Talmage Tobias, City Manager
(Operated the landfill on the SIS.) (Ref. 1, 2, 3).

1971 until 1991
Sumter County Public Works
1289 North Main Street
Sumter, S.C. 29153
Telephone: (803) 773-9835
Contact: Eddie Newman, Director
(Operated the landfill on the SIS.) (Ref. 1, 2, 3, 4).

B. Site Description

The SIS was not visited during the SIP. The description is given in the SSI. An official with Sumter County Public Works describes the landfill as being forty acres in size (Ref. 4). The geographical coordinates have been recalculated to be 33 degrees, 54 minutes, 15.8 seconds north latitude, and 080 degrees, 21 minutes, 38.6 seconds west longitude (Ref. 5).

C. Regulatory History/RCRA Summary

The regulatory status of the SIS has not changed since the SSI Report.

D. Process and Waste Disposal History

The process and waste disposal history of the SIS has been described in the SSI Report. Operations at the site ended in February 1991 (Ref. 4).

The waste sources used to evaluate the site for this SIP are quantified and qualified as follows:

Landfill: The landfill is forty acres in size (Ref. 4). Between the years 1958 to 1974 Southern Coating disposed waste bags containing lead, zinc, and copper waste into the landfill (Ref. 6). The amount of waste disposed is unknown. The SCDHEC took one soil sample from the lower southwestern portion of the landfill during the SSI in September 1987. Analysis found the sample to contain, among other substances, lead (42 mg/kg), PCB's (0.138 mg/kg), DDT (0.0235 mg/kg), DDD (0.0179 mg/kg), and DDE (0.0135 mg/kg) (Ref. 7, 8). However, background samples are needed to attribute these substances to the landfill.

Lagoon: A lagoon approximately 75 to 100 feet long, and approximately 50 feet wide was used for the disposal of industrial liquid waste at the site. Prior to 1973 or early 1974, Southern Coating deposited liquid waste containing paints and solvents into the lagoon. Toluene and xylene are some of the solvents that were used at Southern Coating at the time. It is reported that for at least one year Southern Coating disposed 8,000 gallons of waste per month into the lagoon (at least 96,000 gallons) (Ref. 6, 9). From 1968 to 1973, each week Santee Print disposed 3,500 gallons of dye waste containing some solvents into the lagoon (approximately 1,092,000 gallons) (Ref. 9, 10).

Drums: During the construction of a sewer line through the site sometime around 1980, drums were excavated and strong fumes were reported (Ref. 11). Southern Coating has disposed drums containing paint sludge at the site. The chemical composition of Southern Coating's product include solvents and oxides of chromium, lead, copper, and titanium (Ref. 12). The number of drums disposed into the site is unknown.

E. Removal/Remedial Actions

There have been no removal or remedial actions at the SIS (Ref. 13).

IV. FIELD INVESTIGATIONS

The SIS was not visited during the SIP. More than five samples are needed to adequately assess the site (only one sample was taken during the SSI). An Expanded Site Investigation is needed to reconnoiter site conditions and targets, and to collect samples.

V. GROUNDWATER PATHWAY

A. Regional Hydrogeology

The following geologic units underlie the SIS site.

<u>Name</u>	<u>Description</u>	<u>Depth of Occurrence</u>
Shallow Aquifer	A mixture of Black Mingo, Duplin, and undifferentiated Pliocene, Pleistocene, and recent alluvial deposits.	0 - 75 ft.
Black Creek Aquifer	Fossiliferous, fine-to-medium-grain light sands, and dark colored clays.	75 - 525 ft.
Middendorf Aquifer	Light colored, feldspathic, micaceous sands interbedded with clays.	525+ ft.

A section of clay fifty to one-hundred feet thick is located near the top of the Black Creek Aquifer, however its continuity throughout the four-mile site radius has not been documented. There is no indication that the site is located in an area of karst topography (Ref. 14, 15).

The depth to groundwater is three feet. Groundwater flow direction in the Shallow Aquifer at the site is toward the west-southwest, south, and east (Ref. 5, 14).

B. Groundwater Use

Based on the number of houses on USGS topographical maps not served by public waterlines, and 2.91 persons per household in Sumter County as indicated by the 1990 U.S. Census, it is estimated that 6,936 people are supplied potable water by private wells located within four miles of the SIS (Ref. 5, 16, 17). The City of Sumter is served by seventeen wells. Three of the wells are located between one-half and one mile of the site; two are located between one and two miles of the site; nine are located between two and three miles of the site; and, three are located between three and four miles of the site. No well in the system supplies forty percent or more of the water, the water in the system is mixed, and the system serves 16,343 taps. Based on 2.91 persons per household, it is estimated that the system serves 47,559 people (Ref. 5, 16, 18, 19). Table 1 depicts the population served by wells located within four miles of the site.

TABLE 1: POPULATION SERVED BY WELLS LOCATED WITHIN FOUR MILES OF THE SUMTER INERT SITE			
Site Radius (miles)	Private Well Population	City of Sumter Population	Total Population
0 - $\frac{1}{4}$	29	N/A	29
Greater than $\frac{1}{4}$ to $\frac{1}{2}$	49	N/A	49
Greater than $\frac{1}{2}$ to 1	567	8,393	8,960
Greater than 1 to 2	850	5,593	6,445
Greater than 2 to 3	2,319	25,178	27,497
Greater than 3 to 4	3,122	8,393	11,515

N/A - Not Applicable. No wells are located within the site radius.

C. Groundwater Impact

The SCDHEC sampled monitoring well number 1 located at the southern periphery of the landfill at the SIS in June 1981, and found the groundwater to contain, among other substances, lead (0.22 mg/l), chromium (0.10 mg/l), cadmium (0.01 mg/l), and iron (130 mg/l) (Ref. 11, 20). The SCDHEC took one soil sample from the lower southwestern portion of the unlined landfill during the SSI in September 1987, and found the sample to contain, among other substances, lead (Ref. 7, 8, 21). However, background soil and groundwater samples are needed to attribute these releases to the site.

VI. SURFACE WATER PATHWAY

A. Regional Characteristics

The SIS is located on the outskirts of the City of Sumter, S.C. Sumter County has a two-year 24-hour rainfall of 3.80 inches (Ref 5, 22). The site is partially located in the 100-year flood zone (Ref. 5, 23).

The drainage area for the site is approximately 41 acres. This includes the forty acre site and the approximately one acre upgradient drainage area. The upgradient drainage area is defined by Sooks Branch north of the site and the street east of the site (Ref. 4, 5). The predominant soil type in the drainage area is Pocalla sand. Pocalla soils are medium-textured soils with moderate infiltration rates (Ref. 5; 24-pg. 35).

Being partially located in Green Swamp, the site is located in perennial surface water. The Pocotaligo River flows through Green Swamp at the site. The Pocotaligo River is categorized as having a flow rate between 10 and 100 cubic feet per second within fifteen miles downstream of the site. The fifteen mile distance downstream of the site ends in the Pocotaligo River (Ref. 5, 25).

B. Surface Water Use

Drinking water treatment plant intakes are not located within fifteen miles downstream of the SIS (Ref. 5; 26-fig. 57). The Pocotaligo River is fished approximately two miles downstream of the site (Ref. 5, 27). The annual poundage captured is unknown. It is assumed that at least one pound is captured.

The site is partially located in the freshwater wetlands of Green Swamp. The Pocotaligo River flows through the swamp at the site. The river diverges and converges several times within fifteen miles downstream of the site. Freshwater wetlands are located along both banks of the river along the fifteen mile segment. Considering both banks, it is estimated that at least forty-five miles of freshwater wetlands interface the river within fifteen miles downstream of the site. Besides freshwater wetlands,

no other sensitive environments, including habitats for endangered species, are located within fifteen miles downstream of the site (Ref. 5, 28, 29).

C. Surface Water Impact

Perennial surface water at the SIS was not sampled during the SSI in September 1987 (Ref. 7). However, since the site is partially located in the perennial surface water of Green Swamp, there is a great potential for hazardous substances from the site to be released to surface water (Ref. 5).

VII. SOIL EXPOSURE PATHWAY

The SIS is located on the outskirts of the City of Sumter, S.C. The one mile radius around the site is a mixture of swampland, residential and commercial land (Ref. 5). Based on the 1990 U.S. Census, 5,939 people lives nearby (within one mile) the site (Ref. 5, 30). Table 2 depicts the population living nearby the site.

TABLE 2: POPULATION LIVING NEARBY THE SUMTER INERT SITE	
Site Radius (miles)	Population
0 - $\frac{1}{4}$	114
Greater than $\frac{1}{4}$ - $\frac{1}{2}$	725
Greater than $\frac{1}{2}$ - 1	5,100

The SSI Report mentions that the site is fenced; however, there is no evidence that the fence is maintained at the present time. Currently, the site has no recreational value (Ref. 5, 13).

There are no workers at the site. Operations at the site ended in February 1991 (Ref. 4). Soil contamination has not been documented within 200 feet of a residence, school, or child day care center (Ref. 5, 13, 31).

Habitats for endangered species or other terrestrial sensitive environments are not located on areas of observed contamination at the site (Ref. 5, 28, 29).

VIII. AIR PATHWAY

A. Demography and Regional Use

The four mile radius around the SSI is a mixture of urban, rural, and swamplands. The site is located on the outskirts of the City of Sumter, S.C., all of which is located within the four mile site radius (Ref. 5). Sumter has a population of 41,943 people (Ref. 32). No one lives on-site and there are no workers on-site, operations ceased at the site in February 1991 (Ref. 4, 5). According to the 1990 U.S. Census, 51,305 people live within four miles of the site. The nearest individual resides in a residence approximately 100 feet east of the site (Ref. 5, 30). Table 3 depicts the population living within four miles of the site.

TABLE 3: POPULATION LIVING WITHIN FOUR MILES OF THE SUMTER INERT SITE	
Site Radius (miles)	Population
On-site	0
0 - $\frac{1}{4}$	114
Greater than $\frac{1}{4}$ - $\frac{1}{2}$	725
Greater than $\frac{1}{2}$ - 1	5,100
Greater than 1 - 2	14,253
Greater than 2 - 3	19,060
Greater than 3 - 4	12,053

A habitat for the Red-cockaded woodpecker (*Picoides borealis*), a federal endangered bird species, is located 3.83 miles east-northeast of the site. Also, a habitat for the awned meadowbeauty (*Rhexia aristosa*), a plant under federal status review, is located 3.43 miles west-northwest of the site (Ref. 28). Freshwater wetlands are located through the four mile site radius. Based on USGS topographical maps, table 4 depicts the estimation of the number of acres of freshwater wetlands located throughout the four mile site radius (Ref. 5).

TABLE 4: ACREAGE OF FRESHWATER WETLANDS LOCATED WITHIN FOUR MILES OF THE SUMTER INERT SITE	
Site Radius (miles)	Wetland Acreage
On-site	25
Greater than 0 - $\frac{1}{4}$	85
Greater than $\frac{1}{4}$ - $\frac{1}{2}$	75
Greater than $\frac{1}{2}$ - 1	180
Greater than 1 - 2	745
Greater than 2 - 3	840
Greater than 3 - 4	1,100

B. Air Impact

The SCDHEC did not take air samples during the SSI at the SIS in September 1987, therefore it is not known if hazardous substances are being released to the atmosphere at the site (Ref. 7). Both Southern Coating and Santee Print disposed liquid waste containing some solvents into the lagoon at the site (Ref. 6, 9, 10). It is reported that waste deposited into the landfill was frequently uncovered. Sumter County is in the process of covering the landfill; however, the landfill is not completely covered at the present time (Ref. 4, 21). Therefore, there is potential for hazardous substances to be released to the atmosphere at the site.

IX. CONCLUSIONS AND RECOMMENDATIONS

Industrial waste including lead, zinc, and copper waste has been disposed into the unlined landfill at the SIS. Analysis of a soil sample taken by the SCDHEC during the SSI at the site found the soil to contain, among other substances, lead, PCB's, DDT, DDD, and DDE. A large volume of liquid waste containing paint waste, dye waste and solvents has been disposed into a lagoon at the site. Also, drums containing paint sludge have been disposed at the site.

In June 1981, analysis of groundwater from a monitoring well at the site found the groundwater to contain, among other substances, lead, chromium, cadmium, and iron. It is probable that these substances are attributable to the site. Groundwater wells

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SCD 981 474 729
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located within four miles of the site are the sole source of potable water for approximately 54,495 people.

Samples were not taken from perennial surface water during the SSI; however, since the site is partially located in the perennial surface water of Green Swamp, there is a high potential for hazardous substances from the site to be released to surface water. Drinking water treatment intakes are not located within fifteen miles downstream of the site, however there is fishing within fifteen miles downstream of the site. There is potential for hazardous substances from the site to be released to the atmosphere at the site. Approximately 51,305 people live within four miles of the site. Also, many acres of freshwater wetlands are located throughout the four mile site radius.

It is probable that hazardous substances in the groundwater at the site are attributable to the site. A large number of people are supplied water by wells located within four miles of the site. There is potential for hazardous substances from the site to be released to perennial surface and the atmosphere. Therefore, the site is given a high priority for an Expanded Site Inspection (ESI). Because only one sample was taken during the SSI, several samples should be taken during the ESI. These samples should include: soil and background soil; groundwater (monitoring wells and public and/or private wells) and background groundwater; and, sediment/water and background from Green Swamp. Also during the ESI, the number of workers and students in close proximity to the site (within one or two miles) need to be enumerated.

X. REFERENCES

All references are included unless otherwise indicated.

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3. Jeff Williams, SCDHEC. Telephone conversation with Luke Rogers, Sumter County Public Works. May 4, 1987.
4. Harvey Daniel, SCDHEC. Telephone conversation with Eddie Newman, Sumter County Public Works. May 20, 1992.
5. USGS Topographical Maps. 7.5 Minute Series. Sumter east, S.C., 1957 edition, photorevised 1982; Sumter West, S.C., 1957 edition, photorevised 1982; Privateer, S.C., 1983 provisional edition; Brogdon, S.C., 1983 provisional edition.
6. Helen McGill, SCDHEC. Telephone conversation with Tom Robertson, Southern Coating. November 19, 1987. See Reference 30 in the SSI Report.
7. Helen McGill, SCDHEC. Memorandum to Sumnter Inert File. Re: Site Inspection Trip Report and Sampling Scheme. November 2, 1987. See Reference 8 in the SSI Report.
8. SCDHEC. Analytical Services Data Sheet for Solid Waste and Hydrology, Sumter Inert, Sumter County. September 30, 1987.
9. Capers Dixon, Wateree District, SCDHEC. Memorandum to John Cain, SCDHEC. Re: Hazardous Waste Disposal - Sumter Inert Site on Cooks Street. See Reference 31 in the SSI Report.
10. Helen McGill, SCDHEC. Telephone conversation with Bill Boswell, Santee Print. November 5, 1987. See Reference 20 of the SSI Report.
11. Capers Dixon, Wateree District, SCDHEC. Memorandum to Raymond Knox, SCDHEC. Re: Sumter County Inert Landfill, Cooks Street, Sumter. July 6, 1981. See Reference 3 of the SSI Report.

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12. Helen McGill, SCDHEC. Telephone conversation with Roy McLaurin, Southern Coating. November 12, 1987. See Reference 29 in the SSI Report.
13. SCDHEC. CERCLA Files, Sumter County, Sumter Inert Site, SCD 981 474 729. In Site Screening Section, SCDHEC.
14. Judy Canova, SCDHEC. Memorandum to John Cresswell, SCDHEC. Re: Sumter Inert Landfill. November 10, 1987. See Reference 2 in the SSI Report.
15. Harvey Daniel, SCDHEC. Memorandum, with attachment, to Sumter Inert Site File. Re: Hydrogeologic Characteristics. May 19, 1992.
16. U.S. Census Bureau. Table: Housing Units by Occupancy Status, Total Population, and Persons Per Household. 1990. Copy in Site Screening Section, SCDHEC.
17. Waterline Map for the City of Sumter, S.C. See Reference 5.
18. Harvey Daniel, SCDHEC. Memorandum, with attachment, to Sumter Inert Site File. Re: City of Sumter Water System. May 18, 1992.
19. Harvey Daniel, SCDHEC. Memorandum, with attachments, to Sumter Inert Site File. Re: Location of City of Sumter Wells. May 18, 1992.
20. SCDHEC. Analytical Services Data Sheet for Solid Waste and Hydrology, Cooks Street Landfill, Sumter County. June 29, 1981.
21. Helen McGill, SCDHEC. Discussion with Capers Dixon, Wateree District, SCDHEC. October 19, 1987. See Reference 4 in the SSI Report.
22. S.C. Water Resources Commission. Table: Maximum Rainfall Intensity Expected at Center of Each South Carolina County. Copy in Site Screening Section, SCDHEC.
23. Federal Emergency Management Agency, National Flood Insurance Program. Flood Insurance Rate Map, Sumter County, S.C., Community-Panel No. 450182 0180 B. January 5, 1989. Copy in Site Screening Section, SCDHEC.
24. U.S. Department of Agriculture, Soil Conservation Service. Soil Survey of Florence and Sumter Counties, South Carolina. September 1974.

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25. Harvey Daniel, SCDHEC. Memorandum, with attachment, to Sumter Inert Site File. Re: Surface Water Pathway Characteristics. May 19, 1992.
26. S.C. Water Resources Commission. South Carolina State Water Assessment, Report No. 140. September 1983.
27. Helen McGill, SCDHEC. Telephone conversation with Chris Lock, SCDHEC. November 6, 1987. See Reference 21 in the SSI Report.
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29. South Carolina Heritage Trust. Endangered Species List. May 1, 1991. Copy in Site Screening Section, SCDHEC.
30. Harvey Daniel, SCDHEC. Memorandum, with attachments, to the Sumter Inert Site File. Re: Four Mile Site Radius Population. July 2, 1992.
31. S.C. Department of Social Services. Listing of All Child Day Care Facilities on File. July 28, 1989. Copy in Site Screening Section, SCDHEC.
32. U.S. Census Bureau. Table: Selected Populations and Housing Characteristics for South Carolina. 1990. Copy in Site Screening Section, SCDHEC.

PREscore 1.0 - PRESCORE.TCL File 12/23/91
HRS DOCUMENTATION RECORD
Sumter Inert Site - 08/06/92

PAGE: 1

1. Site Name: Sumter Inert Site
(as entered in CERCLIS)
2. Site CERCLIS Number: SCD 981 474 729
3. Site Reviewer: Harvey S. Daniel
4. Date: June 26, 1992
5. Site Location: Sumter/Sumter County/South Carolina
(City/County,State)
6. Congressional District:
7. Site Coordinates: Single

Latitude: 33°54'15.8"

Longitude: 080°21'38.6"

	Score
Ground Water Migration Pathway Score (Sgw)	100.00
Surface Water Migration Pathway Score (Ssw)	13.58
Soil Exposure Pathway Score (Ss)	0.24
Air Migration Pathway Score (Sa)	1.14
Site Score	50.46

NOTE

EPA uses the terms "facility," "site," and "release" interchangeably. The term "facility" is broadly defined in CERCLA to include any area where hazardous substances have "come to be located" (CERCLA Section 109(9)), and the listing process is not intended to define or reflect boundaries of such facilities or releases. Site names, and references to specific parcels or properties, are provided for general identification purposes only. Knowledge regarding the extent of sites will be refined as more information is developed during the RI/FS and even during implementation of the remedy.

PREscore 1.0 - PRESCORE.TCL File 12/23/91
WASTE QUANTITY
Sumter Inert Site - 08/06/92

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1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: landfill

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID		landfill	
b. Source Type		Landfill	
c. Secondary Source Type		N.A.	
d. Source Volume (yd3)	Source Area (ft2)	0.00	1742400.00
e. Source Volume/Area Value		5.12E+02	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)		0.00E+00	
g. Data Complete?		NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)		0.00E+00	
i. Data Complete?		NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)		5.12E+02	

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Copper	< 2	NO	0.0E+00	ppm
DDD	< 2	NO	1.8E-02	ppm
DDE	< 2	NO	1.3E-02	ppm
DDT	< 2	NO	2.4E-02	ppm
Lead	< 2	NO	4.2E+01	ppm
PCBs	< 2	NO	1.4E-01	ppm
Toluene	< 2	YES	0.0E+00	ppm
Xylene, m-	< 2	YES	0.0E+00	ppm
Zinc	< 2	NO	0.0E+00	ppm

Documentation for Source Hazardous Substances:

Between the years 1958 to 1974 Southern Coating disposed waste bags containing lead, zinc, and copper waste. The amount of waste deposited is unknown. During the SSI sampling in September 1987, the SCDHEC found the soil in the landfill to contain PCB's (0.138 mg/kg), DDT (0.0235 mg/kg), DDD (0.0179 mg/kg), and DDE (0.0135 mg/kg).

Reference: 14, 15, 16.

Documentation for Source Area:

The landfill is forty acres (1,742,400 square feet) in size.

Reference: 13

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: lagoon

a. Wastestream ID	Southern Coating
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	960000.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	1.92E+02

Documentation for Wastestream Quantity:

It is reported that for at least one year Southern Coating dumped 8,000 gallons per month of liquid waste containing paints and solvents into the lagoon (at least 96,000 gallons).

Reference: 17

a. Wastestream ID	Santee Print
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	10920000.00
e. Data Complete?	YES
f. Wastestream Quantity Value (W/5,000)	2.18E+03

Documentation for Wastestream Quantity:

From 1968 to 1973, each week Santee Print dumped 3,500 gallons of dye waste containing some solvents into the lagoon at the site (1,092,000 gallons).

Reference: 17, 30.

2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID		lagoon	
b. Source Type		Surface Impoundment	
c. Secondary Source Type		N.A.	
d. Source Volume (yd3)	Source Area (ft2)	0.00	4375.00
e. Source Volume/Area Value		3.37E+02	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)		0.00E+00	
g. Data Complete?		NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)		2.38E+03	
i. Data Complete?		NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)		2.38E+03	

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Toluene	< 2	NO	0.0E+00	ppm
Xylene, o-	< 2	NO	0.0E+00	ppm

Documentation for Source Hazardous Substances:

Prior to 1973 or early 1974 Southern Coating deposited liquid waste containing paints and solvents into a lagoon at the site. Toluene and xylene are some of the solvents that were used at Southern Coating at the time. Santee Print also used the lagoon to dispose of dye waste containing some solvents.

Reference: 14, 17, 30.

Documentation for Source Area:

The lagoon used to deposit liquid chemical waste was approximately 75 to 100 feet long, and approximately 50 feet wide.

Reference: 17

PREscore 1.0 - PRESCORE.TCL File 12/23/91
WASTE QUANTITY
Sumter Inert Site - 08/06/92

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1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: drums

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID		drums	
b. Source Type		Drums	
c. Secondary Source Type		N.A.	
d. Source Volume (yd3)	Source Area (ft2)	100.00	0.00
e. Source Volume/Area Value		2.00E-01	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)		0.00E+00	
g. Data Complete?		NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)		0.00E+00	
i. Data Complete?		NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)		2.00E-01	

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Chromium	< 2	YES	0.0E+00	ppm
Copper	< 2	YES	0.0E+00	ppm
Lead	< 2	YES	0.0E+00	ppm
Toluene	< 2	YES	0.0E+00	ppm
Xylene, m-	< 2	YES	0.0E+00	ppm

Documentation for Source Type:

Southern Coating took drums to the site.

Reference: 18.

Documentation for Source Hazardous Substances:

Southern Coating deposited drums containing paint sludge at the site. The chemical composition of the processes at Southern Coating included oxides of chromium, lead, and copper. Solvents including toluene and xylene were also part of the process at Southern Coating.

Reference: 14, 18.

Documentation for Source Volume:

The number of drums that have been deposited at the site is unknown. It is assumed that at least two drums have been deposited at the site.

Reference: 11, 18.

WASTE QUANTITY

Sumter Inert Site - 08/06/92

3. SITE HAZARDOUS WASTE QUANTITY SUMMARY

No.	Source ID	Migration Pathways	Vol. or Area Value (2e)	Constituent or Wastestream Value (2f,2h)	Hazardous Waste Qty. Value (2k)
1	landfill	GW-SW-SE-A	5.12E+02	0.00E+00	5.12E+02
2	lagoon	GW-SW-SE-A	3.37E+02	2.38E+03	2.38E+03
3	drums	GW-SW-SE-A	2.00E-01	0.00E+00	2.00E-01

4. PATHWAY HAZARDOUS WASTE QUANTITY AND WASTE CHARACTERISTICS SUMMARY TABLE

Migration Pathway	Contaminant Values	HWQVs*	WCVs**
Ground Water	Toxicity/Mobility 1.00E+04	100	32
SW: Overland Flow, DW	Tox./Persistence 1.00E+04	100	32
SW: Overland Flow, HFC	Tox./Persis./Bioacc. 5.00E+08	100	320
SW: Overland Flow, Env	Etox./Persis./Bioacc. 5.00E+08	100	320
SW: GW to SW, DW	Tox./Persistence 1.00E+04	100	32
SW: GW to SW, HFC	Tox./Persis./Bioacc. 5.00E+07	100	180
SW: GW to SW, Env	Etox./Persis./Bioacc. 5.00E+06	100	100
Soil Exposure: Resident	Toxicity 1.00E+04	100	32
Soil Exposure: Nearby	Toxicity 1.00E+04	100	32
Air	Toxicity/Mobility 1.00E+01	100	6

* Hazardous Waste Quantity Factor Values

** Waste Characteristics Factor Category Values

Note: SW = Surface Water
GW = Ground Water
DW = Drinking Water Threat
HFC = Human Food Chain Threat
Env = Environmental Threat

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GROUND WATER MIGRATION PATHWAY SCORESHEET
Sumter Inert Site - 08/06/92

PAGE: 1

GROUND WATER MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release to an Aquifer Aquifer: Shallow Aquifer		
1. Observed Release	550	550
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	0
2c. Depth to Aquifer	5	5
2d. Travel Time	35	35
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	400
3. Likelihood of Release	550	550
Waste Characteristics		
4. Toxicity/Mobility	*	1.00E+04
5. Hazardous Waste Quantity	*	100
6. Waste Characteristics	100	32
Targets		
7. Nearest Well	50	1.80E+01
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	6.09E+02
8d. Population (lines 8a+8b+8c)	**	6.09E+02
9. Resources	5	0.00E+00
10. Wellhead Protection Area	20	0.00E+00
11. Targets (lines 7+8d+9+10)	**	6.27E+02
12. Targets (including overlaying aquifers)	**	6.27E+02
13. Aquifer Score	100	100.00
GROUND WATER MIGRATION PATHWAY SCORE (Sgw)	100	100.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release by Overland Flow		
2a. Containment	10	10
2b. Runoff	25	1
2c. Distance to Surface Water	25	25
2d. Potential to Release by Overland Flow [lines 2a(2b+2c)]	500	260
3. Potential to Release by Flood		
3a. Containment (Flood)	10	10
3b. Flood Frequency	50	25
3c. Potential to Release by Flood (lines 3a x 3b)	500	250
4. Potential to Release (lines 2d+3c)	500	500
5. Likelihood of Release	550	500
Waste Characteristics		
6. Toxicity/Persistence	*	1.00E+04
7. Hazardous Waste Quantity	*	100
8. Waste Characteristics	100	32
Targets		
9. Nearest Intake	50	0.00E+00
10. Population		
10a. Level I Concentrations	**	0.00E+00
10b. Level II Concentrations	**	0.00E+00
10c. Potential Contamination	**	0.00E+00
10d. Population (lines 10a+10b+10c)	**	0.00E+00
11. Resources	5	0.00E+00
12. Targets (lines 9+10d+11)	**	0.00E+00
13. DRINKING WATER THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
 ** Maximum value not applicable.

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
14. Likelihood of Release (same as line 5)	550	500
Waste Characteristics		
15. Toxicity/Persistence/Bioaccumulation	*	5.00E+08
16. Hazardous Waste Quantity	*	100
17. Waste Characteristics	1000	320
Targets		
18. Food Chain Individual	50	2.00E+00
19. Population		
19a. Level I Concentrations	**	0.00E+00
19b. Level II Concentrations	**	0.00E+00
19c. Pot. Human Food Chain Contamination	**	3.00E-04
19d. Population (lines 19a+19b+19c)	**	3.00E-04
20. Targets (lines 18+19d)	**	2.00E+00
21. HUMAN FOOD CHAIN THREAT SCORE	100	3.88

* Maximum value applies to waste characteristics category.
 ** Maximum value not applicable.

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
22. Likelihood of Release (same as line 5)	550	500
Waste Characteristics		
23. Ecosystem Toxicity/Persistence/Bioacc.	*	5.00E+08
24. Hazardous Waste Quantity	*	100
25. Waste Characteristics	1000	320
Targets		
26. Sensitive Environments		
26a. Level I Concentrations	**	0.00E+00
26b. Level II Concentrations	**	0.00E+00
26c. Potential Contamination	**	5.00E+00
26d. Sensitive Environments (lines 26a+26b+26c)	**	5.00E+00
27. Targets (line 26d)	**	5.00E+00
28. ENVIRONMENTAL THREAT SCORE	60	9.70
29. WATERSHED SCORE	100	13.58
30. SW: OVERLAND/FLOOD COMPONENT SCORE (Sof)	100	13.58

* Maximum value applies to waste characteristics category.
 ** Maximum value not applicable.

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release to Aquifer Aquifer: Shallow Aquifer		
1. Observed Release	550	550
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	0
2c. Depth to Aquifer	5	5
2d. Travel Time	35	35
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	400
3. Likelihood of Release	550	550
Waste Characteristics		
4. Toxicity/Mobility/Persistence	*	1.00E+04
5. Hazardous Waste Quantity	*	100
6. Waste Characteristics	100	32
Targets		
7. Nearest Intake	50	0.00E+00
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	0.00E+00
8d. Population (lines 8a+8b+8c)	**	0.00E+00
9. Resources	5	0.00E+00
10. Targets (lines 7+8d+9)	**	0.00E+00
11. DRINKING WATER THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
12. Likelihood of Release (same as line 3)	550	550
Waste Characteristics		
13. Toxicity/Mobility/Persistence/Bioacc.	*	5.00E+07
14. Hazardous Waste Quantity	*	100
15. Waste Characteristics	1000	180
Targets		
16. Food Chain Individual	50	0.00E+00
17. Population		
17a. Level I Concentrations	**	0.00E+00
17b. Level II Concentrations	**	0.00E+00
17c. Pot. Human Food Chain Contamination	**	0.00E+00
17d. Population (lines 17a+17b+17c)	**	0.00E+00
18. Targets (lines 16+17d)	**	0.00E+00
19. HUMAN FOOD CHAIN THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

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GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET
Sumter Inert Site - 08/06/92

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
20. Likelihood of Release (same as line 3)	550	550
Waste Characteristics		
21. Ecosystem Tox./Mobility/Persist./Bioacc.	*	5.00E+06
22. Hazardous Waste Quantity	*	100
23. Waste Characteristics	1000	100
Targets		
24. Sensitive Environments		
24a. Level I Concentrations	**	0.00E+00
24b. Level II Concentrations	**	0.00E+00
24c. Potential Contamination	**	0.00E+00
24d. Sensitive Environments (lines 24a+24b+24c)	**	0.00E+00
25. Targets (line 24d)	**	0.00E+00
26. ENVIRONMENTAL THREAT SCORE	60	0.00
27. WATERSHED SCORE	100	0.00
28. SW: GW to SW COMPONENT SCORE (Sgs)	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

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 SOIL EXPOSURE PATHWAY SCORESHEET
 Sumter Inert Site - 08/06/92

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SOIL EXPOSURE PATHWAY Factor Categories & Factors RESIDENT POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
1. Likelihood of Exposure	550	550
Waste Characteristics		
2. Toxicity	*	1.00E+04
3. Hazardous Waste Quantity	*	100
4. Waste Characteristics	100	32
Targets		
5. Resident Individual	50	0.00E+00
6. Resident Population		
6a. Level I Concentrations	**	0.00E+00
6b. Level II Concentrations	**	0.00E+00
6c. Resident Population (lines 6a+6b)	**	0.00E+00
7. Workers	15	0.00E+00
8. Resources	5	0.00E+00
9. Terrestrial Sensitive Environments	***	0.00E+00
10. Targets (lines 5+6c+7+8+9)	**	0.00E+00
11. RESIDENT POPULATION THREAT SCORE	**	0.00E+00

* Maximum value applies to waste characteristics category.

** Maximum value not applicable.

*** No specific maximum value applies, see HRS for details.

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 SOIL EXPOSURE PATHWAY SCORESHEET
 Sumter Inert Site - 08/06/92

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SOIL EXPOSURE PATHWAY Factor Categories & Factors NEARBY POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
12. Attractiveness/Accessibility	100	1.00E+01
13. Area of Contamination	100	1.00E+02
14. Likelihood of Exposure	500	1.25E+02
Waste Characteristics		
15. Toxicity	*	1.00E+04
16. Hazardous Waste Quantity	*	100
17. Waste Characteristics	100	32
Targets		
18. Nearby Individual	1	1.00E+00
19. Population Within 1 Mile	**	4.00E+00
20. Targets (lines 18+19)	**	5.00E+00
21. NEARBY POPULATION THREAT SCORE	**	2.00E+04
SOIL EXPOSURE PATHWAY SCORE (Ss)	100	0.24

* Maximum value applies to waste characteristics category.

** Maximum value not applicable.

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 AIR PATHWAY SCORESHEET
 Sumter Inert Site - 08/06/92

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AIR MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release		
2a. Gas Potential to Release	500	280
2b. Particulate Potential to Release	500	280
2c. Potential to Release	500	280
3. Likelihood of Release	550	280
Waste Characteristics		
4. Toxicity/Mobility	*	1.00E+01
5. Hazardous Waste Quantity	*	100
6. Waste Characteristics	100	6
Targets		
7. Nearest Individual	50	2.00E+01
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	3.00E+01
8d. Population (lines 8a+8b+8c)	**	3.00E+01
9. Resources	5	0.00E+00
10. Sensitive Environments		
10a. Actual Contamination	***	0.00E+00
10b. Potential Contamination	***	6.00E+00
10c. Sens. Environments(lines 10a+10b)	***	6.00E+00
11. Targets (lines 7+8d+9+10c)	**	5.60E+01
AIR MIGRATION PATHWAY SCORE (Sa)	100	1.14E+00

* Maximum value applies to waste characteristics category.

** Maximum value not applicable.

*** No specific maximum value applies, see HRS for details.

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SITE INSPECTION PRIORITIZATION
SUMTER INERT SITE
SCD 981 474 729
SUMTER COUNTY

Low Priority
09/15/92
ESF

COMPLETED BY: HARVEY S. DANIEL
REVIEWED BY: GERALD STEWART *JS*
SITE SCREENING SECTION
BUREAU OF SOLID & HAZARDOUS WASTE MANAGEMENT
SOUTH CAROLINA DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL
2600 BULL STREET
COLUMBIA, SC 29201

DATE COMPLETED:
September 8, 1992

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SUMTER INERT SITE
SCD 981 474 729
PAGE 1

I. SCOPE OF WORK

Pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986, the United States Environmental Protection Agency (U.S. EPA) in March 1991, began implementation of significant revisions in the Hazard Ranking System (HRS) used to evaluate sites for inclusion on the National Priority List (NPL) for Superfund cleanup. Because of the extent of the changes, sites that had CERCLA/SARA inspections prior to the revisions are generally lacking the required data for evaluation under the revised HRS. A Site Inspection Prioritization (SIP) is designed to reevaluate sites using the revised HRS. The SIP involves reviewing the files, identifying data gaps, and updating target information on the site.

The South Carolina Department of Health & Environmental Control (SCDHEC) has been tasked by the U.S. EPA to conduct a SIP on the Sumter Inert Site. The Sumter Inert Site was the subject of a CERCLA/SARA Site Screening Investigation (SSI) completed by the SCDHEC in January 1988. Because of the relatively recent date of the SSI, this SIP relies to some extent on the findings of the SSI.

II. EXECUTIVE SUMMARY

The Sumter Inert Site is located in Sumter County on the outskirts of the City of Sumter, S.C. The unlined landfill at the site was operated by the City from 1958 until 1971, and operated by Sumter County from 1971 until 1991. Southern Coating has disposed waste bags containing metallic waste, and drums containing paint sludge into the landfill at the site. Southern Coating also disposed liquid waste containing paints and solvents into a lagoon at the site. Santee Printing disposed liquid waste containing solvents into the lagoon.

Analysis of groundwater in a monitoring well at the site in June 1981 found, among other substances, lead, chromium, and cadmium. It is probable that these substances are attributable to the site. Groundwater wells located within four miles of the site are the sole source of potable water for approximately 54,495 people. Surface water samples were not taken during the SSI in 1987; however, since the site is partially located in Green Swamp, there is a high potential for hazardous substances to be released from the site to perennial surface water. Drinking water treatment plant intakes are not located within fifteen miles downstream of the site, however fishing occurs within fifteen miles downstream. The Pocotaligo River flows through Green Swamp at the site. At least 45 miles of freshwater wetlands are contiguous with the River within fifteen miles downstream of the site. Habitats for endangered species are not located within fifteen miles downstream of the site. Because the landfill is not completely covered at the present time, there is potential for hazardous substances to be released to the atmosphere at the site. Approximately 51,305 people live within four miles of the site. A habitat for an endangered species and a habitat for a species under federal status review are located within four miles of the site.

It is probable that hazardous substances in the groundwater at the site are attributable to the site. A large number of people are supplied water by wells located within four miles of the site. There is potential for hazardous substances from the site to be released to perennial surface and the atmosphere. Therefore, the site is given a high priority for an Expanded Site Inspection.

III. SITE BACKGROUND AND HISTORY

A. Ownership History

Owner

Unspecified time until present
City of Sumter
21 North Main Street
Sumter, S.C. 29150
Telephone: (803) 773-3371
Contact: Talmage Tobias, City Manager
(Owns the property on which the Sumter Inert Site (SIS) is located.) (Ref. 1).

Operators

Circa 1958 until 1971
City of Sumter
21 North Main Street
Sumter, S.C. 29150
Telephone: (803) 773-3371
Contact: Talmage Tobias, City Manager
(Operated the landfill on the SIS.) (Ref. 1, 2, 3).

1971 until 1991
Sumter County Public Works
1289 North Main Street
Sumter, S.C. 29153
Telephone: (803) 773-9835
Contact: Eddie Newman, Director
(Operated the landfill on the SIS.) (Ref. 1, 2, 3, 4).

B. Site Description

The SIS was not visited during the SIP. The description is given in the SSI. An official with Sumter County Public Works describes the landfill as being forty acres in size (Ref. 4). The geographical coordinates have been recalculated to be 33 degrees, 54 minutes, 15.8 seconds north latitude, and 080 degrees, 21 minutes, 38.6 seconds west longitude (Ref. 5).

C. Regulatory History/RCRA Summary

The regulatory status of the SIS has not changed since the SSI Report.

D. Process and Waste Disposal History

The process and waste disposal history of the SIS has been described in the SSI Report. Operations at the site ended in February 1991 (Ref. 4).

The waste sources used to evaluate the site for this SIP are quantified and qualified as follows:

Landfill: The landfill is forty acres in size (Ref. 4). Between the years 1958 to 1974 Southern Coating disposed waste bags containing lead, zinc, and copper waste into the landfill (Ref. 6). The amount of waste disposed is unknown. The SCDHEC took one soil sample from the lower southwestern portion of the landfill during the SSI in September 1987. Analysis found the sample to contain, among other substances, lead (42 mg/kg), PCB's (0.138 mg/kg), DDT (0.0235 mg/kg), DDD (0.0179 mg/kg), and DDE (0.0135 mg/kg) (Ref. 7, 8). However, background samples are needed to attribute these substances to the landfill.

Lagoon: A lagoon approximately 75 to 100 feet long, and approximately 50 feet wide was used for the disposal of industrial liquid waste at the site. Prior to 1973 or early 1974, Southern Coating deposited liquid waste containing paints and solvents into the lagoon. Toluene and xylene are some of the solvents that were used at Southern Coating at the time. It is reported that for at least one year Southern Coating disposed 8,000 gallons of waste per month into the lagoon (at least 96,000 gallons) (Ref. 6, 9). From 1968 to 1973, each week Santee Print disposed 3,500 gallons of dye waste containing some solvents into the lagoon (approximately 1,092,000 gallons) (Ref. 9, 10).

Drums: During the construction of a sewer line through the site sometime around 1980, drums were excavated and strong fumes were reported (Ref. 11). Southern Coating has disposed drums containing paint sludge at the site. The chemical composition of Southern Coating's product include solvents and oxides of chromium, lead, copper, and titanium (Ref. 12). The number of drums disposed into the site is unknown.

E. Removal/Remedial Actions

There have been no removal or remedial actions at the SIS (Ref. 13).

IV. FIELD INVESTIGATIONS

The SIS was not visited during the SIP. More than five samples are needed to adequately assess the site (only one sample was taken during the SSI). An Expanded Site Investigation is needed to reconnoiter site conditions and targets, and to collect samples.

V. GROUNDWATER PATHWAY

A. Regional Hydrogeology

The following geologic units underlie the SIS site.

<u>Name</u>	<u>Description</u>	<u>Depth of Occurrence</u>
Shallow Aquifer	A mixture of Black Mingo, Duplin, and undifferentiated Pliocene, Pleistocene, and recent alluvial deposits.	0 - 75 ft.
Black Creek Aquifer	Fossiliferous, fine-to-medium-grain light sands, and dark colored clays.	75 - 525 ft.
Middendorf Aquifer	Light colored, feldspathic, micaceous sands interbedded with clays.	525+ ft.

A section of clay fifty to one-hundred feet thick is located near the top of the Black Creek Aquifer, however its continuity throughout the four-mile site radius has not been documented. There is no indication that the site is located in an area of karst topography (Ref. 14, 15).

The depth to groundwater is three feet. Groundwater flow direction in the Shallow Aquifer at the site is toward the west-southwest, south, and east (Ref. 5, 14).

B. Groundwater Use

Based on the number of houses on USGS topographical maps not served by public waterlines, and 2.91 persons per household in Sumter County as indicated by the 1990 U.S. Census, it is estimated that 6,936 people are supplied potable water by private wells located within four miles of the SIS (Ref. 5, 16, 17). The City of Sumter is served by seventeen wells. Three of the wells are located between one-half and one mile of the site; two are located between one and two miles of the site; nine are located between two and three miles of the site; and, three are located between three and four miles of the site. No well in the system supplies forty percent or more of the water, the water in the system is mixed, and the system serves 16,343 taps. Based on 2.91 persons per household, it is estimated that the system serves 47,559 people (Ref. 5, 16, 18, 19). Table 1 depicts the population served by wells located within four miles of the site.

TABLE 1: POPULATION SERVED BY WELLS LOCATED WITHIN FOUR MILES OF THE SUMTER INERT SITE			
Site Radius (miles)	Private Well Population	City of Sumter Population	Total Population
0 - $\frac{1}{4}$	29	N/A	29
Greater than $\frac{1}{4}$ to $\frac{1}{2}$	49	N/A	49
Greater than $\frac{1}{2}$ to 1	567	8,393	8,960
Greater than 1 to 2	850	5,593	6,445
Greater than 2 to 3	2,319	25,178	27,497
Greater than 3 to 4	3,122	8,393	11,515

N/A - Not Applicable. No wells are located within the site radius.

C. Groundwater Impact

The SCDHEC sampled monitoring well number 1 located at the southern periphery of the landfill at the SIS in June 1981, and found the groundwater to contain, among other substances, lead (0.22 mg/l), chromium (0.10 mg/l), cadmium (0.01 mg/l), and iron (130 mg/l) (Ref. 11, 20). The SCDHEC took one soil sample from the lower southwestern portion of the unlined landfill during the SSI in September 1987, and found the sample to contain, among other substances, lead (Ref. 7, 8, 21). However, background soil and groundwater samples are needed to attribute these releases to the site.

VI. SURFACE WATER PATHWAY

A. Regional Characteristics

The SIS is located on the outskirts of the City of Sumter, S.C. Sumter County has a two-year 24-hour rainfall of 3.80 inches (Ref 5, 22). The site is partially located in the 100-year flood zone (Ref. 5, 23).

The drainage area for the site is approximately 41 acres. This includes the forty acre site and the approximately one acre upgradient drainage area. The upgradient drainage area is defined by Sooks Branch north of the site and the street east of the site (Ref. 4, 5). The predominant soil type in the drainage area is Pocalla sand. Pocalla soils are medium-textured soils with moderate infiltration rates (Ref. 5; 24-pg. 35).

Being partially located in Green Swamp, the site is located in perennial surface water. The Pocotaligo River flows through Green Swamp at the site. The Pocotaligo River is categorized as having a flow rate between 10 and 100 cubic feet per second within fifteen miles downstream of the site. The fifteen mile distance downstream of the site ends in the Pocotaligo River (Ref. 5, 25).

B. Surface Water Use

Drinking water treatment plant intakes are not located within fifteen miles downstream of the SIS (Ref. 5; 26-fig. 57). The Pocotaligo River is fished approximately two miles downstream of the site (Ref. 5, 27). The annual poundage captured is unknown. It is assumed that at least one pound is captured.

The site is partially located in the freshwater wetlands of Green Swamp. The Pocotaligo River flows through the swamp at the site. The river diverges and converges several times within fifteen miles downstream of the site. Freshwater wetlands are located along both banks of the river along the fifteen mile segment. Considering both banks, it is estimated that at least forty-five miles of freshwater wetlands interface the river within fifteen miles downstream of the site. Besides freshwater wetlands, no other sensitive environments, including habitats for endangered species, are located within fifteen miles downstream of the site (Ref. 5, 28, 29).

C. Surface Water Impact

Perennial surface water at the SIS was not sampled during the SSI in September 1987 (Ref. 7). However, since the site is partially located in the perennial surface water of Green Swamp, there is a great potential for hazardous substances from the site to be released to surface water (Ref. 5).

VII. SOIL EXPOSURE PATHWAY

The SIS is located on the outskirts of the City of Sumter, S.C. The one mile radius around the site is a mixture of swampland, residential and commercial land (Ref. 5). Based on the 1990 U.S. Census, 5,939 people lives nearby (within one mile) the site (Ref. 5, 30). Table 2 depicts the population living nearby the site.

TABLE 2: POPULATION LIVING NEARBY THE SUMTER INERT SITE	
Site Radius (miles)	Population
0 - $\frac{1}{4}$	114
Greater than $\frac{1}{4}$ - $\frac{1}{2}$	725
Greater than $\frac{1}{2}$ - 1	5,100

The SSI Report mentions that the site is fenced; however, there is no evidence that the fence is maintained at the present time. Currently, the site has no recreational value (Ref. 5, 13).

There are no workers at the site. Operations at the site ended in February 1991 (Ref. 4). Soil contamination has not been documented within 200 feet of a residence, school, or child day care center (Ref. 5, 13, 31).

Habitats for endangered species or other terrestrial sensitive environments are not located on areas of observed contamination at the site (Ref. 5, 28, 29).

VIII. AIR PATHWAY

A. Demography and Regional Use

The four mile radius around the SSI is a mixture of urban, rural, and swamplands. The site is located on the outskirts of the City of Sumter, S.C., all of which is located within the four mile site radius (Ref. 5). Sumter has a population of 41,943 people (Ref. 32). No one lives on-site and there are no workers on-site, operations ceased at the site in February 1991 (Ref. 4, 5). According to the 1990 U.S. Census, 51,305 people live within four miles of the site. The nearest individual resides in a residence approximately 100 feet east of the site (Ref. 5, 30). Table 3 depicts the population living within four miles of the site.

TABLE 3: POPULATION LIVING WITHIN FOUR MILES OF THE SUMTER INERT SITE	
Site Radius (miles)	Population
On-site	0
0 - $\frac{1}{4}$	114
Greater than $\frac{1}{4}$ - $\frac{1}{2}$	725
Greater than $\frac{1}{2}$ - 1	5,100
Greater than 1 - 2	14,253
Greater than 2 - 3	19,060
Greater than 3 - 4	12,053

A habitat for the Red-cockaded woodpecker (*Picoides borealis*), a federal endangered bird species, is located 3.83 miles east-northeast of the site. Also, a habitat for the awned meadowbeauty (*Rhexia aristosa*), a plant under federal status review, is located 3.43 miles west-northwest of the site (Ref. 28). Freshwater wetlands are located through the four mile site radius. Based on USGS topographical maps, table 4 depicts the estimation of the number of acres of freshwater wetlands located throughout the four mile site radius (Ref. 5).

TABLE 4: ACREAGE OF FRESHWATER WETLANDS LOCATED WITHIN FOUR MILES OF THE SUMTER INERT SITE	
Site Radius (miles)	Wetland Acreage
On-site	25
Greater than 0 - $\frac{1}{4}$	85
Greater than $\frac{1}{4}$ - $\frac{1}{2}$	75
Greater than $\frac{1}{2}$ - 1	180
Greater than 1 - 2	745
Greater than 2 - 3	840
Greater than 3 - 4	1,100

B. Air Impact

The SCDHEC did not take air samples during the SSI at the SIS in September 1987, therefore it is not known if hazardous substances are being released to the atmosphere at the site (Ref. 7). Both Southern Coating and Santee Print disposed liquid waste containing some solvents into the lagoon at the site (Ref. 6, 9, 10). It is reported that waste deposited into the landfill was frequently uncovered. Sumter County is in the process of covering the landfill; however, the landfill is not completely covered at the present time (Ref. 4, 21). Therefore, there is potential for hazardous substances to be released to the atmosphere at the site.

IX. CONCLUSIONS AND RECOMMENDATIONS

Industrial waste including lead, zinc, and copper waste has been disposed into the unlined landfill at the SIS. Analysis of a soil sample taken by the SCDHEC during the SSI at the site found the soil to contain, among other substances, lead, PCB's, DDT, DDD, and DDE. A large volume of liquid waste containing paint waste, dye waste and solvents has been disposed into a lagoon at the site. Also, drums containing paint sludge have been disposed at the site.

In June 1981, analysis of groundwater from a monitoring well at the site found the groundwater to contain, among other substances, lead, chromium, cadmium, and iron. It is probable that these substances are attributable to the site. Groundwater wells

SUMTER INERT SITE
SCD 981 474 729
PAGE 11

located within four miles of the site are the sole source of potable water for approximately 54,495 people.

Samples were not taken from perennial surface water during the SSI; however, since the site is partially located in the perennial surface water of Green Swamp, there is a high potential for hazardous substances from the site to be released to surface water. Drinking water treatment intakes are not located within fifteen miles downstream of the site, however there is fishing within fifteen miles downstream of the site. There is potential for hazardous substances from the site to be released to the atmosphere at the site. Approximately 51,305 people live within four miles of the site. Also, many acres of freshwater wetlands are located throughout the four mile site radius.

It is probable that hazardous substances in the groundwater at the site are attributable to the site. A large number of people are supplied water by wells located within four miles of the site. There is potential for hazardous substances from the site to be released to perennial surface and the atmosphere. Therefore, the site is given a high priority for an Expanded Site Inspection (ESI). Because only one sample was taken during the SSI, several samples should be taken during the ESI. These samples should include: soil and background soil; groundwater (monitoring wells and public and/or private wells) and background groundwater; and, sediment/water and background from Green Swamp. Also during the ESI, the number of workers and students in close proximity to the site (within one or two miles) need to be enumerated.

X. REFERENCES

All references are included unless otherwise indicated.

1. Harvey Daniel, SCDHEC. Telephone conversation with Talmage Tobias, City of Sumter, S.C. May 20, 1992.
2. SCDHEC. Landfill Facility Form. Sumter Inert Waste Disposal Site. October 15, 1980.
3. Jeff Williams, SCDHEC. Telephone conversation with Luke Rogers, Sumter County Public Works. May 4, 1987.
4. Harvey Daniel, SCDHEC. Telephone conversation with Eddie Newman, Sumter County Public Works. May 20, 1992.
5. USGS Topographical Maps. 7.5 Minute Series. Sumter east, S.C., 1957 edition, photorevised 1982; Sumter West, S.C., 1957 edition, photorevised 1982; Privateer, S.C., 1983 provisional edition; Brogdon, S.C., 1983 provisional edition.
6. Helen McGill, SCDHEC. Telephone conversation with Tom Robertson, Southern Coating. November 19, 1987. See Reference 30 in the SSI Report.
7. Helen McGill, SCDHEC. Memorandum to Sumter Inert File. Re: Site Inspection Trip Report and Sampling Scheme. November 2, 1987. See Reference 8 in the SSI Report.
8. SCDHEC. Analytical Services Data Sheet for Solid Waste and Hydrology, Sumter Inert, Sumter County. September 30, 1987.
9. Capers Dixon, Wateree District, SCDHEC. Memorandum to John Cain, SCDHEC. Re: Hazardous Waste Disposal - Sumter Inert Site on Cooks Street. See Reference 31 in the SSI Report.
10. Helen McGill, SCDHEC. Telephone conversation with Bill Boswell, Santee Print. November 5, 1987. See Reference 20 of the SSI Report.
11. Capers Dixon, Wateree District, SCDHEC. Memorandum to Raymond Knox, SCDHEC. Re: Sumter County Inert Landfill, Cooks Street, Sumter. July 6, 1981. See Reference 3 of the SSI Report.

SUMTER INERT SITE

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12. Helen McGill, SCDHEC. Telephone conversation with Roy McLaurin, Southern Coating. November 12, 1987. See Reference 29 in the SSI Report.
13. SCDHEC. CERCLA Files, Sumter County, Sumter Inert Site, SCD 981 474 729. In Site Screening Section, SCDHEC.
14. Judy Canova, SCDHEC. Memorandum to John Cresswell, SCDHEC. Re: Sumter Inert Landfill. November 10, 1987. See Reference 2 in the SSI Report.
15. Harvey Daniel, SCDHEC. Memorandum, with attachment, to Sumter Inert Site File. Re: Hydrogeologic Characteristics. May 19, 1992.
16. U.S. Census Bureau. Table: Housing Units by Occupancy Status, Total Population, and Persons Per Household. 1990. Copy in Site Screening Section, SCDHEC.
17. Waterline Map for the City of Sumter, S.C. See Reference 5.
18. Harvey Daniel, SCDHEC. Memorandum, with attachment, to Sumter Inert Site File. Re: City of Sumter Water System. May 18, 1992.
19. Harvey Daniel, SCDHEC. Memorandum, with attachments, to Sumter Inert Site File. Re: Location of City of Sumter Wells. May 18, 1992.
20. SCDHEC. Analytical Services Data Sheet for Solid Waste and Hydrology, Cooks Street Landfill, Sumter County. June 29, 1981.
21. Helen McGill, SCDHEC. Discussion with Capers Dixon, Wateree District, SCDHEC. October 19, 1987. See Reference 4 in the SSI Report.
22. S.C. Water Resources Commission. Table: Maximum Rainfall Intensity Expected at Center of Each South Carolina County. Copy in Site Screening Section, SCDHEC.
23. Federal Emergency Management Agency, National Flood Insurance Program. Flood Insurance Rate Map, Sumter County, S.C., Community-Panel No. 450182 0180 B. January 5, 1989. Copy in Site Screening Section, SCDHEC.
24. U.S. Department of Agriculture, Soil Conservation Service. Soil Survey of Florence and Sumter Counties, South Carolina. September 1974.


SUMTER INERT SITE
SCD 981 474 729
PAGE 14

25. Harvey Daniel, SCDHEC. Memorandum, with attachment, to Sumter Inert Site File. Re: Surface Water Pathway Characteristics. May 19, 1992.
26. S.C. Water Resources Commission. South Carolina State Water Assessment, Report No. 140. September 1983.
27. Helen McGill, SCDHEC. Telephone conversation with Chris Lock, SCDHEC. November 6, 1987. See Reference 21 in the SSI Report.
28. SCDHEC, Bureau of Solid and Hazardous Waste. Printout: The Endangered Species Found Within Four Miles of the Sumter Inert Site. July 2, 1992.
29. South Carolina Heritage Trust. Endangered Species List. May 1, 1991. Copy in Site Screening Section, SCDHEC.
30. Harvey Daniel, SCDHEC. Memorandum, with attachments, to the Sumter Inert Site File. Re: Four Mile Site Radius Population. July 2, 1992.
31. S.C. Department of Social Services. Listing of All Child Day Care Facilities on File. July 28, 1989. Copy in Site Screening Section, SCDHEC.
32. U.S. Census Bureau. Table: Selected Populations and Housing Characteristics for South Carolina. 1990. Copy in Site Screening Section, SCDHEC.

PRESCORE DOCUMENTATION

MEMORANDUM

TO: Sumter Inert Site File
SCD 981 474 729

FROM: Harvey S. Daniel 
Site Screening Section

SUBJECT: Hydrogeologic Characteristics

DATE: May 19, 1992

According to USGS topographical maps, the Sumter Inert Site is approximately two miles southwest of the Bobby Hanna Property site (renammed Old Sumter Municipal Landfill Site). The attached record of communication (conversation with Marion Feagin, SCDHEC, dated November 21, 1991) to the Bobby Hanna Property File is submitted to the Sumter Inert Site File for information.

SITE NAME: Bobby Hanna Property File
EPA ID NUMBER: SCD 987 584 158

RECORD OF COMMUNICATION

☐ Phone Call
☒ Discussion
☐ Field Trip
☐ Conference
☐ Other (Specify)

TO: Bobby Hanna Property File

FROM: Harvey S. Daniel
Site Screening Section

DATE: November 21, 1991

TIME: 1:15 PM

SUBJECT: Conversation with Marion Feagin, Hydrologist, Bureau of Solid & Hazardous Waste Management, SCDHEC. (803)734-4714.

SUMMARY OF COMMUNICATION:

Referring to the November 20, 1991 Preliminary Assessment - Hydrogeologic Review on the Bobby Hanna property, Ms. Feagin pointed out that it is not known if the Eocene-age deposits which acts as a confining bed is continuous throughout the four mile site radius.

CONCLUSIONS, ACTIONS TAKEN OR REQUIRED:

INFORMATION COPIES TO:

File

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Environmental Quality Control
Analytical Services Data Sheet for Solid Waste and Hydrology

Ref 4

Sample Location: 10615 St L.F. County: Sumter
 Sample Type: Ground-Water Comments: Send results to Ground-Water Protection Div
 Date: 8-29-81 Collected by: Kirk - Feller An "X" in the small column indicates test requested

Time Collected (Milit.)	1115	1345				1345	
Sample Point	B-2	11. Well 1			B-2	11. Well 1	
Lab No.	H 177	178			H 177	178	
Ammonia-N, mg/l					Calcium		
Nitrate-N, mg/l					Magnesium		
Nitrite-N, mg/l					Sodium		
Orthophosphate-P, mg/l					Potassium		
Total Hardness, mg/l					Arsenic		
Cadmium, mg/l	X 1.30	X 55			Barium		
Chromium, mg/l					Cadmium	X 0.010	X 0.010
Flashpoint, °F					Chromium	X 0.15	X 0.10
Solids, Total, mg/l					Copper		
Solids, Tot. Diss, mg/l	X 390	X 410			Iron	X 120	X 130
Solids, %					Lead	X 0.85	X 0.22
Mercury					Manganese		
Alkalinity mg/l	X 23	X 800			Mercury		
Fluoride, mg/l					Nickel		
DOC	X 61	X 310			Selenium		
Phenols, µg/l					Silver		
Oil					Zinc		
Cyanide, mg/l						ng/l	ng/l
BAS, mg/l					Remarks:		

Date Received in Regional Laboratory _____ by _____
 Date Released from Regional Laboratory _____ by _____
 Date Received in Central Laboratory 6-29-81 by ADM
 Date Released from Spec & A. A. Section 8/31/81 by CR Zimmerman
 Date Released from Metals Section 8/31/81 by Amouchel

Sample Location Cook's Street L.F. County Sumter
Sample Type Ground Water Comments Send Results To Ground H₂O Protection Div
Date 6/29/81 Collected By FALLER/KNOX An "X" in the small column indicates test requested.

Time Collected (Milit.)	1115	1345
Station No.	B-2	Monitoring 1.
Lab. No.	H 177	178
Chlorinated hydrocarbons, $\mu\text{g/l}$	X < 0.05	X < 0.05
Endrin, mg/l		
Lindane, mg/l		
Methoxychlor, mg/l		
Toxaphene, mg/l		
Organophosphates, $\mu\text{g/l}$		
PCBs, $\mu\text{g/l}$		
Other		

R


~~S. C. Dept. of Health & Social Control~~

Date Received in Regional Laboratory _____ By _____
Date Released from Regional Laboratory _____ By _____
Date Received in Central Laboratory 6-29-81 By AM
Date Released from Organic Section 7/22/81 By John Williams

Ref. 7

MEMORANDUM

TO: Sumter Inert Site File
SCD 981 474 729

FROM: Harvey S. Daniel 
Site Screening Section

SUBJECT: City of Sumter Water System

DATE: May 18, 1992

The attached record of communication (conversation with Grady Grubs, City of Sumter Water Company, dated November 22, 1991) to the Bobby Hanna Property (renammed Old Sumter Municipal Landfill Site) File is submitted to the Sumter Inert Site File for information.

RECORD OF COMMUNICATION

 X Phone Call
 Discussion
 Field Trip
 Conference
 Other (Specify)

TO: Bobby Hanna Property
File
SCD 987 584 158

FROM: Harvey S. Daniel
Site Screening Section

DATE: November 22, 1991

TIME: 1:15 PM

SUBJECT: Conversation with Grady Grubs, Superintendent, City of
Sumter Water Company. (803)773-3977

SUMMARY OF COMMUNICATION

The City of Sumter is served by seventeen groundwater wells. Mr. Grubs will send a map showing the location of the wells. The water in the system is mixed. No well in the system supplies forty percent or more of the water. The only other public water system that the city serves is the community of Oswego. Mr. Grubs concurred that the system serves approximately 16,343 residential taps as indicated in the SCDHEC's Inventory of Public Water Supply Systems. These include the taps in the Oswego Community.

CONCLUSIONS, ACTION TAKEN OR REQUIRED


INFORMATION COPIES

TO:

Ref. 8

MEMORANDUM

TO: Sumter Inert Site File
SCD 981 474 729

FROM: Harvey S. Daniel 
Site Screening Section

SUBJECT: Location of City of Sumter Wells

DATE: May 18, 1992

Based on the geographical coordinates of the Sumter Inert Site (33 degrees, 54 minutes, 15.8 seconds north latitude; and 080 degrees, 21 minutes, 38.6 seconds west longitude) and the geographical coordinates for the City of Sumter wells (see attached record of communication (conversation with Grady Grubbs, City of Sumter Water Company, dated December 20, 1991) to the Bobby Hanna Property (renamed Old Sumter Municipal Landfill Site) File), a City of Sumter map, and USGS topographical maps, the locations of the City of Sumter wells are given below.

<u>Well Number</u>	<u>Distance From Site (miles)</u>
1	2.10
2	1.96
3	1.98
4	2.04
5	2.24
6	2.01
7	2.18
8	2.92
9	2.78
10	2.82
11	2.72
12	3.04
13	0.77
14	0.69
15	0.66
16	3.40*
17	3.40*

*Distance based on City of Sumter map and USGS topographical maps.

RECORD OF COMMUNICATION

 X Phone Call
 Discussion
 Field Trip
 Conference
 Other (Specify)

TO: Bobby Hanna Property
File
SCD 987 584 158

FROM: Harvey S. Daniel
Site Screening Section

DATE: December 20, 1991

TIME: 3:20 PM

SUBJECT: Conversation with Grady Grubs, Superintendant, City of
Sumter Water Company. (803)773-3977

SUMMARY OF COMMUNICATION

Referring to the sheets giving the latitudes and longitudes of the wells in the City of Sumter's Water System (see attachments), Mr. Grubs acknowledged that he sent only fifteen sheets. The two wells on which sheets were not sent are located at water plant #5 on W. Wesmary Blvd [more than four miles northwest of the Bobby Hanna Property site].

CONCLUSIONS, ACTION TAKEN OR REQUIRED

INFORMATION COPIES

TO:

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
Page 2
Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renumber
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/24/90

GROUNDWATER SOURCE INFORMATION:

Source ID: 643101
Description 1: WELL ONE (Sumter 1)
Description 2:
Receiving Plant: W R F L T #1
Plant ID: G43

Availability Code F
Latitude 335608
Longitude 0802047
Source Code G

WELL CHARACTERISTICS:

Depth (FT) 550
Type 3
Casing Diameter (IN) 12"
Casing Type 5
Yield (GPM) 1250
Drawdown - 24 Hours
(FT from surface) 0.0151
Static Level
(FT from surface) 0.073
Regulated Capacity (TGD)
(Well yield X 1000 min./day) 1200

WELL PUMP CHARACTERISTICS:

Manufacturer: LYNE
Model No.:
H.P. 0.0 100
Type T
Yield (GPM) 1250
Avg. Daily
Production (TGD) 0.00

Treatment:

COMMENTS

RECEIVED

DEC 19 1991

S. C. Dept. of Health & Environmental
Control - Bureau of Solid & Hazardous
Waste Management

Signature: James L. Houston

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
Page 3
Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renuumber
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/29/90

GROUNDWATER SOURCE INFORMATION:

Source ID: 643102
Description 1: WELL TWO (SUMTER # 3)
Description 2:
Receiving Plant: WATER PLANT 4
Plant ID:

Availability Code P
Latitude 335601
Longitude 0802050
Source Code 6

WELL CHARACTERISTICS:

Depth (FT) 0
Type 3
Casing Diameter (IN) 8 1/2
Casing Type S
Yield (GPM) 1500
Drawdown - 24 Hour 6425,
(FT from surface) 0:0 140
Static Level
(FT from surface) 0:0 78
Regulated Capacity (TGD)
(Well yield X 1000 min./day) 1440
0.00

WELL PUMP CHARACTERISTICS:

Manufacturer: L y, V. 3.
Model No.:
H.P. 0.0 100
Type 7
Yield (GPM) 150
Avg. Daily
Production (TGD) 1419 0.00
Treatment:

COMMENTS

Signature: James L. Houston

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
Page 4
Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renumber
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/29/90

GROUNDWATER SOURCE INFORMATION:

Source ID: 643103
Description 1: WELL THREE (Sumter #4)
Description 2: WATER PLANT #1
Receiving Plant:
Plant ID:

Availability Code P
Latitude 335604
Longitude 0802057
Source Code G

WELL CHARACTERISTICS:

Depth (FT) 62.8
Type 3
Casing Diameter (IN) 10
Casing Type 5
Yield (GPM) 1150
Drawdown - 24 Hours
(FT from surface) 153
Static Level
(FT from surface) 75
Regulated Capacity (TGD) 1104
(Well yield X 1000 min./day) 0.00

WELL PUMP CHARACTERISTICS:

Manufacturer: LAYNE
Model No.: 100
H.P. 0.0
Type T
Yield (GPM) 1150
Avg. Daily
Production (TGD) 0.00

Treatment:

COMMENTS

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
Page 5
Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renumber
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/29/90

GROUNDWATER SOURCE INFORMATION:

Source ID: G43104
Description 1: WELL FOUR (SUMTER # 5)
Description 2: WATER PLANT # 1
Receiving Plant:
Plant ID:

Availability Code P
Latitude 335559
Longitude 0802033
Source Code 6

WELL CHARACTERISTICS:

Depth (FT) 600
Type 3
Casing Diameter (IN) 12
Casing Type 5
Yield (GPM) 1500
Drawdown - 24 Hours
(FT from surface) 162
Static Level
(FT from surface) 40-7.3
Regulated Capacity (TGD)
(Well yield X 1000 min./day) 1440

WELL PUMP CHARACTERISTICS:

Manufacturer: LAYNE
Model No.:
H.P. 125
Type T
Yield (GPM) 1500
Avg. Daily
Production (TGD) 0.00

Treatment:

COMMENTS

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
Page 6
Public Water Supply Source / Plant Inventory

16/25
() Add
(X) Modify
() Renuumber
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/29/90

GROUNDWATER SOURCE INFORMATION:

Source ID: 643105
Description 1: WELL FIVE (SUMTER #1)
Description 2: WATER PLANT #2
Receiving Plant:
Plant ID:

Availability Code
Latitude 335502
Longitude 0601917
Source Code 6

WELL CHARACTERISTICS:

Depth (FT) 0
Type
Casing Diameter (IN)
Casing Type
Yield (GPM)
Drawdown - 24 Hour
(FT from surface) 0.0
Static Level
(FT from surface) 0.0
Regulated Capacity (TGD)
(Well yield X 1000 min./day) 0.00

WELL PUMP CHARACTERISTICS:

Manufacturer:
Model No.:
H.P. 0.0
Type
Yield (GPM) 0
Avg. Daily
Production (TGD) 0.00

Treatment:

COMMENTS

Well cannot be used

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
Page 7
Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renummer
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/29/90

GROUNDWATER SOURCE INFORMATION:

Source ID: 643106
Description 1: WELL SIX (SUMTER # 2)
Description 2: water Plant # 2
Receiving Plant:
Plant ID:

Availability Code P
Latitude 335457
Longitude 0801930
Source Code 6

WELL CHARACTERISTICS:

Depth (FT) 620
Type 3
Casing Diameter (IN) 10
Casing Type 5
Yield (GPM) 0
Drawdown - 24 Hour
(FT from surface) 0.0
Static Level
(FT from surface) 0.0
Regulated Capacity (TGD) 1344.
(Well yield X 1000 min./day) 0.00

WELL PUMP CHARACTERISTICS:

Manufacturer: LAZYUE
Model No.:
H.P. 0.0 100
Type T
Yield (GPM) 140
Avg. Daily
Production (TGD) 0.00

Treatment:

COMMENTS

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
Page 8
Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renumber
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/29/90

GROUNDWATER SOURCE INFORMATION:

Source ID: G43107
Description 1: WELL SEVEN (SUMTER # 3)
Description 2: WATER PLANT 2
Receiving Plant:
Plant ID:

Availability Code P
Latitude 335506
Longitude 0801923
Source Code G

WELL CHARACTERISTICS:

Depth (FT) N/A 0
Type 3
Casing Diameter (IN) 10
Casing Type S
Yield (GPM) 1400
Drawdown - 24 Hour
(FT from surface) N/A 0.0
Static Level
(FT from surface) N/A 0.0
Regulated Capacity (TGD) 1584,
(Well yield X 1000 min./day) ~~0.00~~

WELL PUMP CHARACTERISTICS:

Manufacturer: LAINE
Model No.: N/A
H.P. ~~0.0~~ 100
Type ~~S~~
Yield (GPM) ~~1400~~ 1652
Avg. Daily
Production (TGD) 0.00

Treatment:

COMMENTS

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
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Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renumber
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/29/90

GROUNDWATER SOURCE INFORMATION:

Source ID: G43108
Description 1: WELL EIGHT (Sumter # 1)
Description 2: water plant # 3
Receiving Plant:
Plant ID:

Availability Code P
Latitude 335146
Longitude 0802256
Source Code G

WELL CHARACTERISTICS:

Depth (FT) 680
Type 3
Casing Diameter (IN) 10
Casing Type S
Yield (GPM) 1107
Drawdown - 24 Hour
(FT from surface) 0.0
Static Level
(FT from surface) 0.0
Regulated Capacity (TGD)
(Well yield X 1000 min./day) 1062.72
~~0.00~~

WELL PUMP CHARACTERISTICS:

Manufacturer: Layne
Model No.:
H.P. 100
Type T
Yield (GPM) 1107
Avg. Daily
Production (TGD) 0.00

Treatment:

COMMENTS

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
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Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renumber
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/29/90

GROUNDWATER SOURCE INFORMATION:

Source ID: G43109
Description 1: WELL NINE (Sumter #2)
Description 2: WATER PLANT 3
Receiving Plant:
Plant ID:

Availability Code P
Latitude 335151
Longitude 0802247
Source Code G

WELL CHARACTERISTICS:

Depth (FT) 694
Type 3
Casing Diameter (IN) 12
Casing Type S
Yield (GPM) 768
Drawdown - 24 Hours
(FT from surface) 0.0 202
Static Level
(FT from surface) 0.0 78
Regulated Capacity (TGD) 737.28
(Well yield X 1000 min./day) 0.00

WELL PUMP CHARACTERISTICS:

Manufacturer: LAYNE
Model No.:
H.P. 0.0 100
Type T
Yield (GPM) 768
Avg. Daily
Production (TGD) 0.00

Treatment:

COMMENTS This well is out of service for repairs

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
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Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renumber
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/29/90

GROUNDWATER SOURCE INFORMATION:

Source ID: 643110
Description 1: WELL TEN (Sumter #3)
Description 2: WATER PLANT #3
Receiving Plant:
Plant ID:

Availability Code P
Latitude 335153
Longitude 0802259
Source Code G

WELL CHARACTERISTICS:

Depth (FT) 678
Type 3
Casing Diameter (IN) 12
Casing Type S
Yield (GPM) 1150
Drawdown - ~~24~~ Hours
(FT from surface) 0:0240
Static Level
(FT from surface) 0:082
Regulated Capacity (TGD)
(Well yield X 1000 min./day) 841.84
0.00

WELL PUMP CHARACTERISTICS:

Manufacturer: LYNE
Model No.:
H.P. 0:0100
Type T
Yield (GPM) 0924
Avg. Daily
Production (TGD) 0.00

Treatment:

COMMENTS

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
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Public Water Supply Source / Plant Inventory

() Add
(~~X~~) Modify
() Renumber
() Delete

Reason: S/S

System Number: 4310001 Name: SUNTER, CITY OF

Today's Date: 07/29/90

GROUNDWATER SOURCE INFORMATION:

Source ID: G43111
Description 1: WELL ELEVEN (SUNTER # 4)
Description 2: WATER PLANT # 3
Receiving Plant:
Plant ID:

Availability Code P
Latitude 335152
Longitude 0802240
Source Code 8

WELL CHARACTERISTICS:

Depth (FT) 0
Type 3
Casing Diameter (IN) 10
Casing Type S
Yield (GPM) 1265
Drawdown - 24 Hour
(FT from surface) 0.0 / 88
Static Level
(FT from surface) 0.0 88
Regulated Capacity (TGD)
(Well yield X 1000 min./day) 1142.40
0.00

WELL PUMP CHARACTERISTICS:

Manufacturer: LAINE
Model No.:
H.P. 0.0 100
Type T
Yield (GPM) 1190
Avg. Daily
Production (TGD) 0.00

Treatment:

COMMENTS

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection

01/01/80

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Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renumber
() Delete

Reason: S/E

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/29/90

GROUNDWATER SOURCE INFORMATION:

Source ID: G43112

Description 1: WELL TWELVE (SUMTER #5)

Description 2: WATER PLANT #3

Receiving Plant:

Plant ID:

Availability Code P

Latitude 335139

Longitude 0802255

Source Code G

WELL CHARACTERISTICS:

Depth (FT) 714

Type 3

Casing Diameter (IN) 12

Casing Type S

Yield (GPM) 850

Drawdown - 24 Hour (1/2 hours)

(FT from surface) 260

Static Level

(FT from surface) 110

Regulated Capacity (TGD)

(Well yield X 1000 min./day) 1008

0.00

WELL PUMP CHARACTERISTICS:

Manufacturer: LAYNE

Model No.:

H.P. 125

Type T

Yield (GPM) 1050

Avg. Daily

Production (TGD) 0.00

Treatment:

COMMENTS

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
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Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renumber
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/30/90

GROUNDWATER SOURCE INFORMATION:

Source ID: G43113

Description 1: WELL THIRTEEN (SUMTER #1)

Description 2: WATER PLANT #4

Receiving Plant:

Plant ID:

Availability Code P

Latitude 335328

Longitude 0802159

Source Code G

WELL CHARACTERISTICS:

Depth (FT) 6407

Type 3

Casing Diameter (IN) 8 1/2

Casing Type S

Yield (GPM) 2100

Drawdown - 24 Hour

(FT from surface) 4.0 131.79

Static Level

(FT from surface) 4.0 51.93 Treatment:

Regulated Capacity (TGD)

(Well yield X 1000 min./day) 1440

WELL PUMP CHARACTERISTICS:

Manufacturer: LAYNE

Model No.:

H.P. 125

Type T

Yield (GPM) 1500

Avg. Daily

Production (TGD) 0.00

COMMENTS

John P. Houston

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
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Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renumber
() Delete

24
25

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/30/90

GROUNDWATER SOURCE INFORMATION:

Source ID: 045.17
Description 1: WELL FOURTEEN (SUMTER #2)
Description 2: WATER PLANT #4
Receiving Plant:
Plant ID:
Availability Code P
Latitude 335330
Longitude 0802149
Source Code 6

WELL CHARACTERISTICS:

Depth (FT) 694
Type
Casing Diameter (IN) 0
Casing Type
Yield (GPM) 0
Drawdown - 24 Hour
(FT from surface) 0.0/25.5
Static Level
(FT from surface) 0.0 37.10
Regulated Capacity (TGD) 1440.00
(Well yield X 1000 min./day) 0.00

WELL PUMP CHARACTERISTICS:

Manufacturer: LOTHE
Model No.:
H.P. 0.0/25
Type T
Yield (GPM) 1500
Avg. Daily
Production (TGD) 0.00

Treatment:

COMMENTS

0. 12.5
U

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
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Public Water Supply Source / Plant Inventory

22
25

() Add
(X) Modify
() Renumber
() Delete

Reason: 8/8
Today's Date: 9/6/90

System Number: 4310001 Name: SUMTER, CITY OF

GROUNDWATER SOURCE INFORMATION:

Source ID: G43115
Description 1: WELL FIFTEEN (SUMTER #3)
Description 2: WATER PLANT #4
Receiving Plant:
Plant ID:

Availability Code P
Latitude 335331
Longitude 0802140
Source Code G

WELL CHARACTERISTICS:

Depth (FT) 635
Type 3
Casing Diameter (IN) 4 1/2
Casing Type S
Yield (GPM) 0
Drawdown - 24 Hour
(FT from surface) 0.0
Static Level
(FT from surface) 40 17.1
Regulated Capacity (TGD)
(Well yield X 1000 min./day) 1440
~~0.00~~

WELL PUMP CHARACTERISTICS:

Manufacturer:
Model No.:
H.P. 0.0 125
Type T
Yield (GPM) 1522
Avg. Daily
Production (TGD) 0.00

Treatment:

COMMENTS

James L. Houston

RECORD OF COMMUNICATION

 X Phone Call
 Discussion
 Field Trip
 Conference
 Other (Specify)

TO: Sumter Inert Site File FROM: Harvey S. Daniel
 SCD 981 474 729 Site Screening Section

DATE: May 20, 1992 TIME: 9:40 AM

SUBJECT: Conversation with Eddie Newman, Director, Sumter County
 Public Works. (803) 773-9835

SUMMARY OF COMMUNICATION

Sumter County has not operated the Sumter Inert Landfill on McCrays Mill Road and Cooks Street (Sumter Inert Site) since February, 1991. The County is in the process of closing out the forty acre landfill. Approximately half of the landfill has been closed. Closure involves covering the landfill with one foot of compacted clay, and then covering the clay with one foot of topsoil. Groundwater samples were taken during the closure, and according to Mr. Newman, analysis did not find hazardous substances. However, soil samples were not taken. Mr. Newman has been with the County for approximately twenty years, and doesn't recall seeing the lagoon where, according to the files, liquid waste was deposited at the landfill. Mr. Newman speculates that the lagoon has since been filled in with solid inert waste. Geophysical surveys to detect the buried drums referred to in the files were not done during the closure. Mr. Newman visited the landfill recently. There are no unusual odors associated with the landfill.

The City of Sumter still owns the land on which the landfill is located. The contact for the City is Talmage Tobias, City Manager, or Al Harris, City Engineer ((803) 773-3371. The address for the County is:

Sumter County Public Works
1289 North Main Street
Sumter, South Carolina 29153

INFORMATION COPIES

TO:

Ref. 16

RECEIVED

^yJUN 28 1988

S. C. DEPT. OF HEALTH AND
ENVIRONMENTAL CONTROL
Bureau of Solid & Hazardous
Waste Management

Bureau of Solid & Hazardous Waste Management

An "X" in the small column indicates test requested

Remarks: J7
CERCIA

White - Program; Yellow - Program; Pink - Program; Gold - Lab

CE

CONTA - John CRES? well

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Environmental Quality Control
Analytical Services Data Sheet for Organic Compounds in Solid Waste and
Hydrology Samples

Sample

Location SUMTER INERTCounty SUMTERSample Type SEDIMENT Comments _____Date 9/30/87 Collected By CAIN / ~~STRANGE~~ An "X" in the small column indicates test requested.

Time Collected (Milit.)		<u>5:16:55</u>		
Station No.	<u>100187</u>	<u>SI-1</u>		
Lab. No.	<u>100187</u>	<u>0362</u>		
Chlorinated hydrocarbons, µg/l	X			
Endrin, mg/l	X			
Lindane, mg/l	X			
Methoxychlor, mg/l	X			
Toxaphene, mg/l	X			
Organophosphates, µg/l	X			
PCBs, µg/l	X			
Other	X			
<u>Volatile Organics</u>		<u>*</u>		
<u>Base Neutral</u>				
<u>Acid Extractables</u>				
<u>Pesticides</u>				

Comments _____

Date Received in Regional Laboratory _____ By _____

Date Released from Regional Laboratory _____ By _____

Date Received in Central Laboratory 10/1/87 By CLAT

 * SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL *
 * ANALYTICAL SERVICES DIVISION LABORATORY REPORT *

SAMPLE NUMBER : 1001370362
 CHARGE NUMBER : CE
 COLLECTED BY : J GAIN
 COUNTY : JUMTER
 SAMPLE DESCRIPTION : JUMTER INERT

FRIDAY JUNE 24TH, 1993
 RELEASE DATE : 06/24/93 14:13:32
 DT COLLECTED : 06/30/87 16:15:00
 SAMPLE MEDIUM : SED
 STATION CODE : SI-1

ANALYSIS

STORET RESULT

ARSENIC MG/KG	01005	1.7
CADMIUM MG/KG	01003	<50
ACENAPHTHENE UG/KG	34208	<300
ACENAPHTHYLENE UG/KG	34203	<300
ANTHRACENE UG/KG	34223	<300
BENZO(A)ANTHRACENE UG/KG	34529	<300
BENZO(B)FLUORANTHENE UG/KG	34235	<300
BENZO(K)FLUORANTHENE UG/KG	34245	<300
BENZO(A)PYRENE UG/KG	34250	<300
BENZO(GHI)PERYLENE UG/KG	34524	<300
BUTYLENYL PHTHALATE UG/KG	78800	<300
3,3'(2-CHLOROETHYL)ETHER UG/KG	34276	<300
3,3'(2-CHLOROETHOXY)METHANE UG/KG	34231	<300
3,3'(2-ETHYLHEXYL)PHTHALATE UG/KG	39102	<300
3,3'(2-CHLOROISOPROPYL)ETHER UG/KG	34206	<300
4-BROMOPHENYL PHENYL ETHER UG/KG	34639	<300
2-CHLORONAPHTHALENE UG/KG	34504	<300
4-CHLOROPHENYL PHENYL ETHER UG/KG	34644	<300
CHRYSENE UG/KG	34323	<300
DIBENZO(A,H)ANTHRACENE UG/KG	34559	<300
DI-N-BUTYL PHTHALATE UG/KG	39112	<300
1,5-DICHLOROBENZENE UG/KG	34569	<300
1,6-DICHLOROBENZENE UG/KG	34539	<300
1,4-DICHLOROBENZENE UG/KG	34574	<300
3,5-DICHLOROBENZIDINE UG/KG	34634	<300

***** (***** ***** *****)
 * SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
 * ANALYTICAL SERVICES DIVISION LABORATORY REPORT

SAMPLE NUMBER : 1001577362
 CHARGE UNDER : CR
 COLLECTED BY : J CAEN
 COUNTY : SUMTER
 SAMPLE DESCRIPTION : SUMTER INERT

FRIDAY JUNE 14TH, 1968
 RELEASE DATE : 06/24/68 14:10:31
 DT COLLECTED : 09/30/67 16:17:00
 SAMPLE MEDIUM : GED
 STATION CODE : SI-1

ANALYSIS

STORET RESULT

PAGE 1

DIETHYL PHTHALATE UG/KG	34309	<300
DIMETHYL PHTHALATE UG/KG	34344	<300
2,4-DINITROTOLUENE UG/KG	34614	<300
2,6-DINITROTOLUENE UG/KG	34629	<300
DI-N-OCTYLPHTHALATE UG/KG	34599	<300
FLUORANTHENE UG/KG	34379	<300
FLUORENE UG/KG	34334	<300
HEXACHLOROBENZENE UG/KG	39701	<300
HEXACHLOROBUTADIENE UG/KG	39705	<300
HEXACHLOROETHANE UG/KG	34399	<300
INDENO(1,2,3-CD)PYRENE UG/KG	34406	<300
ISOPHORONE UG/KG	34411	<300
NAPHTHALENE UG/KG	34445	<300
NITROBENZENE UG/KG	34450	<300
N-NITROSODI-N-PROPYLAMINE UG/KG	34431	<300
PHENANTHRENE UG/KG	34464	<300
PYRENE UG/KG	34472	<300
1,2,4-TRICHLOROBENZENE UG/KG	34554	<300
4-CHLORO-3-METHYL PHENOL UG/KG		<300
2-CHLOROPHENOL UG/KG	34589	<300
2,4-DICHLOROPHENOL UG/KG	34604	<300
2,4-DIMETHYL PHENOL UG/KG	34589	<300
2,4-DINITROPHENOL UG/KG	34619	<300
2-METHYL-4,6-DINITROPHENOL UG/KG		<300
3-NITROPHENOL UG/KG	34594	<300
4-NITROPHENOL UG/KG	34547	<300
PENTACHLOROPHENOL UG/KG	78873	<300

 * SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
 * ANALYTICAL SERVICES DIVISION LABORATORY REPORT

SAMPLE NUMBER : 1001273362
 CHARGE NUMBER : 02
 COLLECTED BY : J CAIN
 COUNTY : SUMTER
 SAMPLE DESCRIPTION : SUMTER INERT

FRIDAY JUNE 24TH, 1988
 RELEASE DATE : 06/24/88 14:13:32
 DT COLLECTED : 09/30/87 16:15:00
 SAMPLE MEDIUM : SED
 STATION CODE : SI-1

ANALYSIS	STORET	RESULT	PAGE 1
PHENOL UG/KG	34695	<300	
2,4,6-TRICHLOROPHENOL UG/KG	34624	<300	
BENZIDINE UG/KG	39121	<300	
HEXACHLOROCYCLOPENTADIENE UG/KG	34389	<300	
N-NITROSODIMETHYLAMINE UG/KG	34441	<300	
N-NITROSODIPHENYLAMINE UG/KG	34436	<300	
ANILINE UG/KG	78866	<300	
BENZYL ALCOHOL UG/KG	73212	<300	
2-METHYLPHENOL UG/KG	78872	<300	
4-METHYLPHENOL UG/KG	73803	<300	
BENZOIC ACID UG/KG	75315	<300	
4-CHLOROANILINE UG/KG	78867	<300	
2-METHYLNAPHTHALENE UG/KG	78868	<300	
2,4,5-TRICHLOROPHENOL UG/KG	78401	<300	
2-NITROANILINE UG/KG	78299	<300	
5-NITROANILINE UG/KG	78869	<300	
DIBENZOFURAN UG/KG	75647	<300	
4-NITROANILINE UG/KG	78870	<300	
AZOBENZENE UG/KG		<300	
CADMIUM MG/KG	01023	1.0	
CHROMIUM MG/KG	01029	1.3	
MERCURY MG/KG	71921	<0.35	
MANGANESE MG/KG	01053	75	

 * SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
 * ANALYTICAL SERVICES DIVISION LABORATORY REPORT

SAMPLE NUMBER : 1001870362
 CHARGE UNDER : 00
 COLLECTED BY : J GAIN
 COUNTY : JUMTER
 SAMPLE DESCRIPTION : JUMTER INERT

FRIDAY JUNE 14TH, 1986
 RELEASE DATE : 06/24/86 14:13:52
 DT COLLECTED : 09/10/87 16:15:00
 AMPLI MEDIUM : 360
 STATION CODE : SI-1

ANALYSIS

STORET RESULT

PAGE 4

NICKEL MG/KG	01066	<5.0
LEAD MG/KG	01052	1.2
PH S.U.	70310	3.3
TOTAL PHENOL UG/KG	32731	<1000
A-BHC UG/KG	39076	<2.0
Y-BHC UG/KG	34257	<2.0
LINDANE UG/KG	39793	<2.0
HEPTACHLOR UG/KG	39413	<2.0
HEPTACHLOR EPOXIDE UG/KG	39423	<2.0
ALDRIN UG/KG	39333	<2.0
DIELDRIN UG/KG	39383	<2.0
ENDRIN UG/KG	39393	<2.0
METHOXYCHLOR UG/KG	39481	<2.0
P,P'-DDE UG/KG	39321	13.5
P,P'-DDD UG/KG	39311	14.9
P,P'-DDT UG/KG	39301	25.5
O,P'-DDE UG/KG	39326	<2.0
O,P'-DDD UG/KG	39316	<2.0
O,P'-DDT UG/KG	39306	<2.0
CHLORDANE UG/KG	39351	<2.0
TOXAPHENE UG/KG	39406	<2.0
ENDOSULFAN I UG/KG	34364	<2.0

 * SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL *
 * ANALYTICAL SERVICES DIVISION LABORATORY REPORT *

SAMPLE NUMBER : 1001870352
 CHARGE NUMBER : 02
 COLLECTED BY : J CAIN
 COUNTY : LUTHER
 SAMPLE DESCRIPTION : DUMPER INERT

FRIDAY JUNE 24TH, 1988
 RELEASE DATE : 06/24/88 14:13:32
 DT COLLECTED : 09/30/87 15:15:01
 SAMPLE REGION : SED
 STATION CODE : SI-1

ANALYSIS

STORET RESULT

PAGE 5

ENDOSULFAN II UG/KG	34359	<2.0
ENDOSULFAN SULFATE UG/KG	34354	<2.0
ENDRIN ALDEHYDE UG/KG	34359	<2.0
PCB 1018 UG/KG	39514	<10.0
PCB 1221 UG/KG	39491	<10.0
PCB 1232 UG/KG	39495	<10.0
PCB 1242 UG/KG	39499	<10.0
PCB 1248 UG/KG	39503	4.0
PCB 1254 UG/KG	39507	<10.0
PCB 1260 UG/KG	39511	<10.0
PCB 1262 UG/KG	78455	<10.0
ETHION UG/KG	39399	<4.0
ERITHION UG/KG	39787	<4.0
GUTHION UG/KG	39581	<4.0
HALATHION UG/KG	39531	<4.0
PARATHION UG/KG	39541	<4.0
DIAZINON UG/KG	39571	<4.0
PHOSDRIN UG/KG	62643	<4.0
IREX UG/KG	39758	<4.0
HCB UG/KG	39701	<4.0
TOTAL PCB UG/KG	39519	--
SELENIUM PG/KG	01143	<0.5
BENZENE UG/KG	34237	<20.0
1,1-DICHLOROETHANE UG/KG	34340	<20.0
BROMOFORM UG/KG	34290	<20.0

***** SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL *****
 ***** ANALYTICAL SERVICES DIVISION LABORATORY REPORT *****

SAMPLE NUMBER : 100107 322
 CHARGE NUMBER : 05
 COLLECTED BY : J. CAIN
 COUNTY : SUMTER
 SAMPLE DESCRIPTION : SUMTER INERT

FRIDAY JUNE 14TH, 1985
 RELEASE DATE : 06/24/85 14:13:00
 DT COLLECTED : 09/30/87 16:15:00
 SAMPLE MEDIUM : GEL
 STATION CODE : SI-1

ANALYSIS

STORET RESULT

PEROMETHANE UG/KG <20.0

CARBON TETRACHLORIDE UG/KG 34299

CHLOROBENZENE UG/KG 34304

CHLOROETHANE UG/KG 34314

2-CHLOROETHYL VINYL ETHER UG/KG 34379

CHLOROFORM UG/KG 34318

CHLOROMETHANE UG/KG <20.0

DIBROMOCHLOROMETHANE UG/KG 78195

1,2-DICHLOROBENZENE UG/KG 34539

1,3-DICHLOROBENZENE UG/KG 34569

1,4-DICHLOROBENZENE UG/KG 34574

1,1-DICHLOROETHANE UG/KG 34499

1,2-DICHLOROETHANE UG/KG 34534

1,1-DICHLOROETHENE UG/KG 34504

TRANS-1,2-DICHLOROETHENE UG/KG 34549

1,2-DICHLOROPROPANE UG/KG 34544

CIS-1,3-DICHLOROPROPENE UG/KG 34702

TRANS-1,3-DICHLOROPROPENE UG/KG 34697

ETHYLBENZENE UG/KG 34374

METHYLENE CHLORIDE UG/KG 34416

1,1,2,2-TETRACHLOROETHANE UG/KG 34519

TETRACHLOROETHENE UG/KG 34478

TOLUENE UG/KG 34413

1,1,1-TRICHLOROETHANE UG/KG 34509

1,1,2-TRICHLOROETHANE UG/KG 34514

TRICHLOROETHENE UG/KG 34417

TRICHLOROFLUOROMETHANE UG/KG 34491

 * SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL *
 * ANALYTICAL SERVICES DIVISION LABORATORY REPORT *

SAMPLE NUMBER : 1001870562
 CHARGE NUMBER : 01
 COLLECTED BY : J CAIN
 COUNTY : LUMBER
 SAMPLE DESCRIPTION : LUMBER PILE

FRIDAY JUNE 24TH, 1988
 RELEASE DATE : 06/24/88 14:15:31
 DT COLLECTED : 09/30/87 16:15:00
 SAMPLE MEDIA : SED
 STATION CODE : SI-1

ANALYSIS

STORET RESULT

PAGE 7

VINYL CHLORIDE UG/KG

14495 420.0

South Carolina
STATE WATER ASSESSMENT
Report No. 140

H. Stephen Snyder
Project Manager

Steven J. de Kozlowski
Assistant Project Manager
and Project Biologist

Joseph A. Harrigan
Project Engineer

H. Thomas Shaw
Project Cartographer

Freddie L. Collins
Civil Engineer Associate

Teresa W. Greaney
Project Geologist

Mable K. Haralson
Public Information Director

George E. Siple
Consulting Hydrogeologist

Debra L. Miller
Engineering Technician

South Carolina Water Resources Commission
3830 Forest Drive, P.O. Box 4440
Columbia, South Carolina 29240

September 1983

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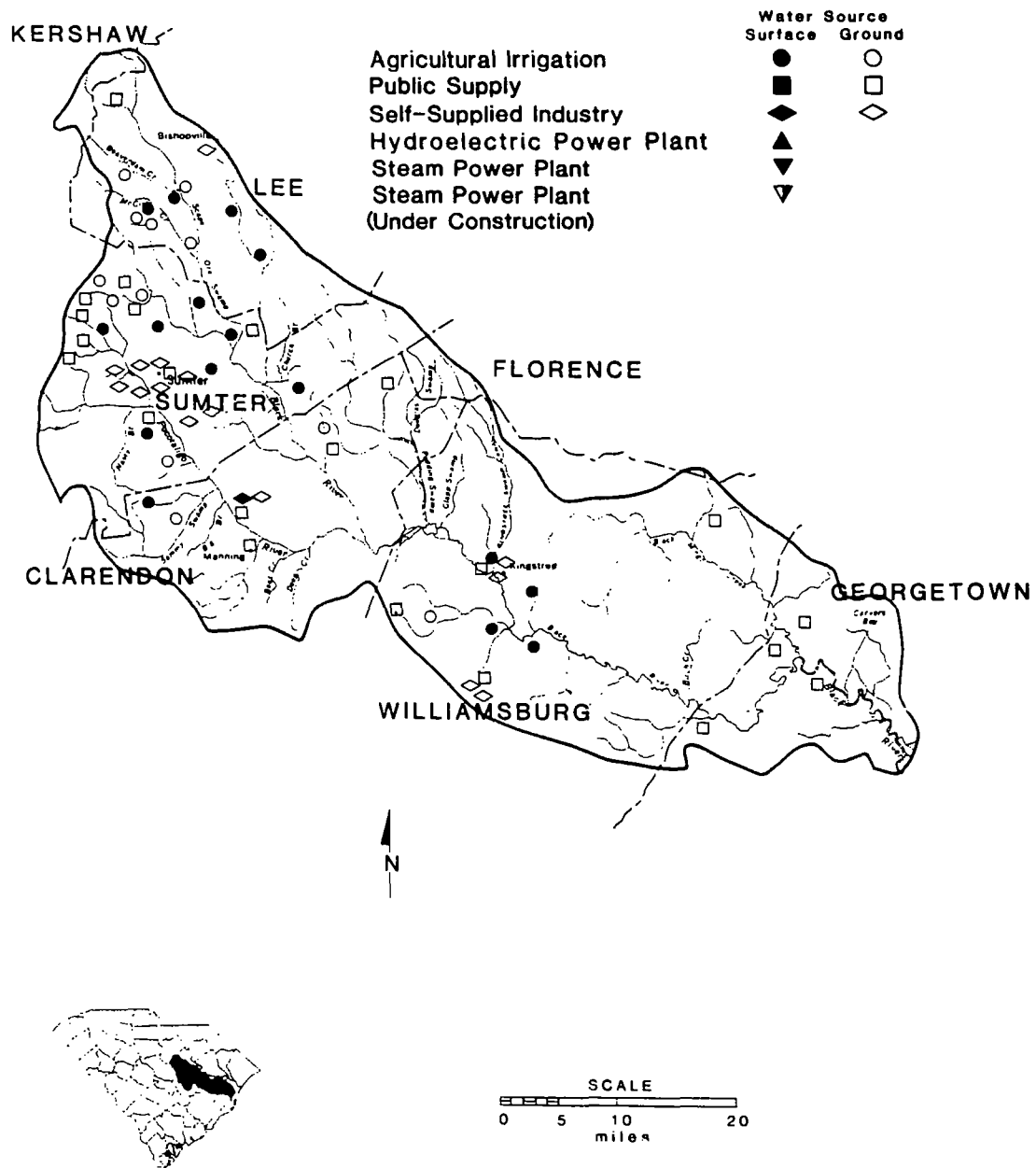



Figure 57.
Location, type, and supply source of water users in the Black River Sub-basin, South Carolina.

Ref. 25

MEMORANDUM

TO: Sumter Inert Site File
SCD 981 474 729

FROM: Harvey S. Daniel 
Site Screening Section

SUBJECT: Surface Water Pathway Characteristics

DATE: May 19, 1992

According to USGS topographical maps, the Sumter Inert Site is situated in the Green Swamp. At the point where the site is situated in the swamp, the Pocataligo River flows through the swamp. Also, the site is located approximately two miles southwest of the Bobby Hanna Property site (renammed Old Sumter Municipal Landfill Site). The attached record of communication (conversation with Chris Sample, South Carolina Wildlife & Marine Resources Department, dated December 30, 1991) to the Bobby Hanna Property File is submitted to the Sumter Inert Site File for information.

RECORD OF COMMUNICATION

 X Phone Call
 Discussion
 Field Trip
 Conference
 Other (Specify)

TO: Bobby Hanna Property
File
SCD 987 584 158

FROM: Harvey S. Daniel
Site Screening Section

DATE: December 30, 1991

TIME: 4:10 PM

SUBJECT: Conversation with Chris Sample, District VII, South
Carolina Wildlife & Marine Resources Department.
(803) 661-4766

SUMMARY OF COMMUNICATION

Fishing has not been documented in Turkey Creek within fifteen miles downstream of the Bobby Hanna Property site. There is fishing in the Pocotaligo River within fifteen miles downstream of the site. Mr. Sample categorizes Turkey Creek as having an average annual flow less than 10 cubic feet per second. He categorizes that portion of the Pocotaligo River within fifteen miles downstream of the site as having an average annual flow between 10 and 100 cubic feet per second.

CONCLUSIONS, ACTION TAKEN OR REQUIRED

INFORMATION COPIES

TO:

Date: 07/02/92

Rep. 27

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL
BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED SUMTER INERT SITE, 335415.8 LATITUDE 802138.6 LONGITUDE

THE ENDANGERED SPECIES FOUND WITHIN 4 MILES

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. HERITAGE TRUST FOUNDATION (01/92).

COMMON NAME SCIENTIFIC NAME	STATUS	LONGITUDE LATITUDE	DISTANCE FROM SITE	GRANK SRANK	DATE ADDED	TOPO MAP / COUNTY WHERE THE SPECIES IS LOCATED
AWNED MEADOWBEAUTY HEXIA ARISTOSA	CU	80-24-37 33-55-55	3.43 Miles WNW	G2 S2	01/01/83	SUMTER Sumter
RED-COCKADED WOODPECKER PICOIDES BOREALIS	FE	80-17-42 33-54-47	3.83 Miles ENE	G2 S2	02/01/80	SUMTER Sumter
DEPRESSION MEADOW	UN	80-24-37 33-55-55	3.43 Miles WNW	G3 S2	07/01/76	SUMTER Sumter
BOYKIN'S LOBELIA LOBELIA BOYKINII	UN	80-24-37 33-55-55	3.43 Miles WNW	G2 S?	05/01/77	SUMTER Sumter

GRANK/SRANK - Nature Conservancy rating:

- G1 - Critically imperiled globally because of extreme rarity or because of some factor(s) making it especially vulnerable to extinction.
- G2 - Imperiled globally because of rarity or factor(s) making it vulnerable.
- G3 - Either very rare throughout its range or found locally in a restricted range, or having factors making it vulnerable.
- G4 - Apparently secure globally, though it may be rare in parts of its range.
- G5 - Demonstrably secure globally, though it may be rare in parts of its range.
- S1 - Critically imperiled state-wide because of extreme rarity or because of some factor(s) making it especially vulnerable to extirpation.
- S2 - Imperiled state-wide because of rarity or factor(s) making it vulnerable.
- S3 - Rare or uncommon in state.
- S4 - Apparently secure in state.
- S5 - Demonstrably secure in state.

STATUS - Legal status:

- FE - Federal Endangered
- FT - Federal Threatened
- NC - Of Concern, National (plants)
- RC - Of Concern, Regional (plants)
- SE - State Endangered (animals)
- ST - State Threatened (animals)
- SC - Of Concern, State (animals)
- SL - Of Concern, State (plants)
- SX - State Extirpated
- CU - Candidate (Federal review)
- UN - Undetermined

Ref. 28

MEMORANDUM

FROM: Harvey S. Daniel
Site Screening Section

TO: Sumter Inert Site File
SCD 981 474 729

RE: Four Mile Site Radius Population

DATE: July 2, 1992

The attached documents are submitted to the Sumter Inert Site file for information.

attachments:

From: Craig Dukes (DUKES_CR)

To: COLE ROB, CRESS_JO, DANIE_HA, GEORG_JO, MCINN_JO,...

Date: Wednesday, April 1, 1992 4:40 pm

Subject: Site Census Data

Patrick Horton In EQC administration now has the 1990 census tract data on his GIS computer system. This gives him the capability to generate total population counts by distance rings around our sites. **THIS WILL BE EXTREMELY USEFUL FOR THE HRS AIR PATWAY.** The data should very accurate, especially beyond the 1/2 mile radius. Accuracy will increase the closer you are to a city or town because the census tract areas are smaller (down to a city block) and may be accurate enough for **SOIL EXPOSURE PATHWAY** in metropolitan areas.

All he needs is a Topographic Map with the site pinpointed. For Large sites, sketch in the site outline and the data will be adjusted accordingly. He will can generate a report that can be attached as reference material to our reports.

For the sake of Consistency, this should probably be done on all sites. Patrick can have the info ready in a few hours.

Currently, he is located in the ADMIN office area, but will be moving to the 2nd floor. I'll let everyone know where he ends up so you can take the maps down.

From: Patrick Horton (PLHORTON)
To: SH_WASTE:DANIE_HA
Date: Friday, June 26, 1992 4:58 pm
Subject: Sumter Inert Site

Radii	Est. Population
3 - 4	12,053
2 - 3	19,060
1 - 2	14,253
.50 - 1	5,100
.25 -.50	725
0 -.25	114
TOTAL	51,305

Sumter Inert Site Sumter County, S.C.



Estimated Pop.

$$0 - .25 \text{ miles} = 114$$

$$.25 - .50 \text{ miles} = 725$$

$$.50 - 1 \text{ mile} = 5100$$

$$1 - 2 \text{ miles} = 14253$$

$$2 - 3 \text{ miles} = 19060$$

$$3 - 4 \text{ miles} = 12053$$

$$\text{total} = 51305$$

U . S . E P A R E G I O N I V

SDMS

Unscannable Material Target Sheet

DocID: 10079468 Site ID: SLD 98 1474729

Site Name: SUMTER INERT SITE

Nature of Material:

Map: ✓

Computer Disks:

Photos:

CD-ROM:

Blueprints:

Oversized Report:

Slides:

Log Book:

Other (describe):

Amount of material: #1 (Ref: 5)

Please contact the appropriate Records Center to view the material.

SIP REPORT DOCUMENTATION

Ref 1

RECORD OF COMMUNICATION

 X Phone Call
 Discussion
 Field Trip
 Conference
 Other (Specify)

TO: Sumter Inert Site File FROM: Harvey S. Daniel
 SCD 981 474 729 Site Screening Section

DATE: May 20, 1992 TIME: 10:00 AM

SUBJECT: Conversation with Talmage Tobias, City Manager, Sumter,
 South Carolina. (803) 773-3371

SUMMARY OF COMMUNICATION

The City of Sumter owns the property on which the Sumter Inert Landfill on McCrays Mill Road and Cooks Street (Sumter Inert Site) is located. The address for the City is:

City of Sumter
21 North Main Street
Sumter, South Carolina 29150

City of Sumter
P.O. Box 1449
Sumter, South Carolina 29151

INFORMATION COPIES

TO:

Ref. 2

Division of Solid and Hazardous Waste Management
S.C. Department of Health and Environmental Control
Columbia, South Carolina 29201

LANDFILL FACILITY FORM

Survey Date 10/15/80

Recorder R. CAPERS DIXON

Person(s) Interviewed: JAMES B WALL

Phone No. 495-3314

OR
Phone No. 773-9835

DESCRIPTION:

Facility Name: SUMTER INERT WASTE DISPOSAL SITE

Location: OFF COOKS ST. SUMTER, S.C.

Owner: CITY OF SUMTER

Operator: JAMES B WALL

DHEC Permit No: VARIANCE

% Pop. of County/Municipality Served: 100 %

OPERATIONS:

Open: 9 hrs/day 6 days/wk

Estimated Quantity of Wastes Received: _____ tons/year

21000 LOADS/YR

or
cu yds/year

SIZE OF LOAD VARY FROM SMALL TRAILER TO BIG TRUCK

Estimated Life of Site: 5 yrs.

Vector Control Program: PERIODIC COVER

GARBAGE KEPT OUT - AT LEAST TO MINIMUM

Fire Control Program: PERIODIC COVER

Cover Material Adequacy: ADEQUATE

Special Wastes Received: _____ tons/yr

ONLY CELLULOSIC

AND INERT WASTE;

_____ tons/yr

_____ tons/yr

_____ tons/yr

Groundwater Monitoring Program 1 H₂O MONITOR WELL

QUARTERLY BY DHEC

LANDFILL FACILITY FORM CONTINUED

CONTROLS:

Restrictions/Ordinances: NO SCAVENGING OR

HAZARDOUS WASTE, GARBAGE OR PAPER. —
ONLY CELLULOSIC AND INERT MATERIALS.

Private Collectors: NONE No. Franchised — No. Licensed/permitting
— No. known not controlled

Access: DIRT ROAD, FENCE AND GATE

Site Maintenance: SPREAD, COMPACT, COVER,
PROMOTE VEGETATION

RESOURCES:

Equipment: 1 BULL DOZER (PART TIME)

Manpower: 2 Man years

Budget: INCLUDED WITH Operations/Maintenance

SUNTER CO. LANDFILL DWPO91 Amortization of Capital Costs

Type Wastes	Municipal	Private Hauler	Individual
Fees: <u>NONE</u>	<u>—</u> \$/ton	<u>—</u> \$/ton	<u>—</u> \$/ton
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>

RECOVERY:

Waste Materials: (1) NONE Tons/Yr —

(2) —

(3) —

Market: (1) NONE Rate \$/ton —

(2) —

(3) —

LANDFILL FACILITY FORM CONTINUED

CLASSIFICATION

Expected EPA Classification: PERMITTED INERT SITE (2)
SEE COMMENTS

CURRENT ENFORCEMENT ACTION

Recommended for legal action _____

Case being prepared _____

Commissioner's Order Issued _____

Referred to Attorney General _____

Under Court Order _____

REMARKS:

This site was opened in 1958. Chemicals were dumped into site by tanker trucks AND brought into site in drums. Since the site has a high water table, chemicals probably have leached into water table. Some of the chemicals are paint sludges, solvents and dye wastes.

A recent excavation of site to put in new city sewer line exposed drums of chemicals. Some monitor wells are needed to determine extent of contamination.

RECORD OF COMMUNICATION	<input checked="" type="checkbox"/> PHONE CALL <input checked="" type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE	
	<input type="checkbox"/> OTHER (SPECIFY)	
(Record of item checked above)		
TO: Mr. Luke Rogers Co Public Works Director Sumter, S.C.	FROM: Jeff Williams Central Office Site Screening	DATE: 5-04-87 TIME: 1:30 P.M.
SUBJECT: Sumter Inert Landfill Operator and Ownership Information		
SUMMARY OF COMMUNICATION		
<p>On 5-04-87 I telephoned Mr. Luke Rogers of the Sumter Co Public Works Dept. According to Mr. Rogers the Sumter County Public Works Dept has operated this landfill from March 1971 to the present date. The County leases this site from the City of Sumter, the Site is owned and has always been owned by the City of Sumter. Prior to 1971 the City of Sumter owned and operated this facility according to Mr. Luke Rogers, director of the Sumter County Public Works Department.</p>		
CONCLUSIONS, ACTION TAKEN OR REQUIRED		
INFORMATION COPIES TO:		

Ref 4

RECORD OF COMMUNICATION

X Phone Call
 Discussion
 Field Trip
 Conference
 Other (Specify)

TO: Sumter Inert Site File FROM: Harvey S. Daniel
 SCD 981 474 729 Site Screening Section

DATE: May 20, 1992 TIME: 9:40 AM

SUBJECT: Conversation with Eddie Newman, Director, Sumter County
 Public Works. (803) 773-9835

SUMMARY OF COMMUNICATION

Sumter County has not operated the Sumter Inert Landfill on McCrays Mill Road and Cooks Street (Sumter Inert Site) since February, 1991. The County is in the process of closing out the forty acre landfill. Approximately half of the landfill has been closed. Closure involves covering the landfill with one foot of compacted clay, and then covering the clay with one foot of topsoil. Groundwater samples were taken during the closure, and according to Mr. Newman, analysis did not find hazardous substances. However, soil samples were not taken. Mr. Newman has been with the County for approximately twenty years, and doesn't recall seeing the lagoon where, according to the files, liquid waste was deposited at the landfill. Mr. Newman speculates that the lagoon has since been filled in with solid inert waste. Geophysical surveys to detect the buried drums referred to in the files were not done during the closure. Mr. Newman visited the landfill recently. There are no unusual odors associated with the landfill.

The City of Sumter still owns the land on which the landfill is located. The contact for the City is Talmage Tobias, City Manager, or Al Harris, City Engineer ((803) 773-3371. The address for the County is:

Sumter County Public Works
1289 North Main Street
Sumter, South Carolina 29153

INFORMATION COPIES

TO:

Ref. 8

RECEIVED

JUN 28 1988

~~S. C. DEPT. OF HEALTH AND ENVIRONMENTAL CONTROL
Bureau of Solid & Hazardous Waste Management~~

~~Bureau of Solid & Hazardous
Waste Management~~

An "X" in the small column indicates test requested

Remarks: JH
CERCIA

White - Program; Yellow - Program; Pink - Program; Gold - Lab

CE

CONT # John CRES. well

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Environmental Quality Control
Analytical Services Data Sheet for Organic Compounds in Solid Waste and
Hydrology Samples

Sample

Location SUMTER INERTCounty SUMTERSample Type SEDIMENT CommentsDate 9/30/87Collected By CAIN / STRANGE

An "X" in the small column indicates test requested.

Time Collected (Milit.)		<u>9:16:55</u>			
Station No.	<u>100187</u>	<u>SI-1</u>			
Lab. No.	<u>100187</u>	<u>D362</u>			
Chlorinated hydrocarbons, µg/l	X				
Endrin, mg/l	X				
Lindane, mg/l	X				
Methoxychlor, mg/l	X				
Toxaphene, mg/l	X				
Organophosphates, µg/l	X				
PCBs, µg/l	X				
Other	X				
<u>VolatILE ORGANICS</u>		<u>*</u>			
<u>BASE NEUTRAL</u>					
<u>ACID EXTRACTIBLES</u>					
<u>Pesticides</u>					

Comments

Date Received in Regional Laboratory

By

Date Released from Regional Laboratory

By

Date Received in Central Laboratory

10/1/87

By

CLH

Date Released from Organic Section

6/26/88

By

JKR

White--Program; Yellow--Program; Pink--Lab; Gold--Program

 * SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL *
 * ANALYTICAL SERVICES DIVISION LABORATORY REPORT *

SAMPLE NUMBER : 1001870362
 CHARGE NUMBER : CE
 COLLECTED BY : J CAIN
 COUNTY : SUMTER
 SAMPLE DESCRIPTION : SUMTER INERT

FRIDAY JUNE 24TH, 1988
 RELEASE DATE : 06/24/88 14:13:32
 DT COLLECTED : 09/30/87 16:15:00
 SAMPLE MEDIUM : SED
 STATION CODE : SI-1

ANALYSIS STORET RESULT

ARSENIC MG/KG	01003	1.7
BARIUM MG/KG	01003	<50
ACENAPHTHENE UG/KG	34208	<300
ACENAPHTHYLENE UG/KG	34203	<300
ANTHRACENE UG/KG	34223	<300
BENZO(A)ANTHRACENE UG/KG	34529	<300
BENZO(B)FLUORANTHENE UG/KG	34233	<300
BENZO(K)FLUORANTHENE UG/KG	34245	<300
BENZO(A)PYRENE UG/KG	34250	<300
BENZO(GHI)PERYLENE UG/KG	34524	<300
BUTYL BENZYL PHTHALATE UG/KG	78800	<300
BIS(2-CHLOROETHYL)ETHER UG/KG	34276	<300
BIS(2-CHLOROETHOXY)METHANE UG/KG	34281	<300
BIS(2-ETHYLHEXYL)PHTHALATE UG/KG	39102	<300
BIS(2-CHLOROISOPROPYL)ETHER UG/KG	34286	<300
4-BROMOPHENYL PHENYL ETHER UG/KG	34639	<300
2-CHLORONAPHTHALENE UG/KG	34584	<300
4-CHLOROPHENYL PHENYL ETHER UG/KG	34644	<300
CHRYSENE UG/KG	34323	<300
DIBENZO(A,H)ANTHRACENE UG/KG	34559	<300
DI-N-BUTYL PHTHALATE UG/KG	39112	<300
1,3-DICHLOROBENZENE UG/KG	34569	<300
1,2-DICHLOROBENZENE UG/KG	34539	<300
1,4-DICHLOROBENZENE UG/KG	34574	<300
3,3'-DICHLOROBENZIDINE UG/KG	34634	<300

 * SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
 * ANALYTICAL SERVICES DIVISION LABORATORY REPORT

SAMPLE NUMBER : 1001570382
 CHARGE NUMBER : 08
 COLLECTED BY : J CAIN
 COUNTY : SUMTER
 SAMPLE DESCRIPTION : SUMTER INERT

FRIDAY JUNE 24TH, 1988
 RELEASE DATE : 06/24/88 14:15:32
 DT COLLECTED : 09/30/87 16:15:00
 SAMPLE MEDIUM : SED
 STATION CODE : SI-1

ANALYSIS

STORET RESULT

PAGE 2

DIETHYL PHTHALATE UG/KG	34339	<300
DIMETHYL PHTHALATE UG/KG	34344	<300
2,4-DINITROTOLUENE UG/KG	34614	<300
2,6-DINITROTOLUENE UG/KG	34629	<300
DI-N-OCTYLPHTHALATE UG/KG	34599	<300
FLUORANTHENE UG/KG	34379	<300
FLUORENE UG/KG	34384	<300
HEXACHLOROBENZENE UG/KG	39701	<300
HEXACHLOROBUTADIENE UG/KG	39705	<300
HEXACHLOROETHANE UG/KG	34399	<300
INDENO(1,2,3-CD)PYRENE UG/KG	34406	<300
ISOPHORONE UG/KG	34411	<300
NAPHTHALENE UG/KG	34445	<300
NITROBENZENE UG/KG	34450	<300
N-NITROSODI-N-PROPYLAMINE UG/KG	34431	<300
PHENANTHRENE UG/KG	34464	<300
PYRENE UG/KG	34472	<300
1,2,4-TRICHLOROBENZENE UG/KG	34554	<300
4-CHLORO-3-METHYL PHENOL UG/KG		<300
2-CHLOROPHENOL UG/KG	34589	<300
2,4-DICHLOROPHENOL UG/KG	34604	<300
2,4-DIMETHYL PHENOL UG/KG	34609	<300
2,4-DINITROPHENOL UG/KG	34619	<300
2-METHYL-4,6-DINITROPHENOL UG/KG		<300
3-NITROPHENOL UG/KG	34594	<300
4-NITROPHENOL UG/KG	34549	<300
PENTACHLOROPHENOL UG/KG	78873	<300

 * SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL *
 * ANALYTICAL SERVICES DIVISION LABORATORY REPORT *

SAMPLE NUMBER : 1001270362
 CHARGE NUMBER : CE
 COLLECTED BY : J CAIN
 COUNTY : SUMTER
 SAMPLE DESCRIPTION : SUMTER INERT

FRIDAY JUNE 24TH, 1988
 RELEASE DATE : 06/24/88 14:13:32
 DT COLLECTED : 09/30/87 16:15:00
 SAMPLE MEDIUM : SED
 STATION CODE : SI-1

ANALYSIS

STORET RESULT

PAGE 3

PHENOL UG/KG	34695	<300
2,4,6-TRICHLOROPHENOL UG/KG	34624	<300
BENZIDINE UG/KG	39121	<300
HEXACHLOROCYCLOPENTADIENE UG/KG	34389	<300
N-NITROSODIMETHYLAMINE UG/KG	34441	<300
N-NITROSODIPHENYLAMINE UG/KG	34436	<300
ANILINE UG/KG	78866	<300
BENZYL ALCOHOL UG/KG	75212	<300
2-METHYLPHENOL UG/KG	78872	<300
4-METHYLPHENOL UG/KG	78803	<300
BENZOIC ACID UG/KG	75315	<300
4-CHLOROANILINE UG/KG	78867	<300
2-METHYLNAPHTHALENE UG/KG	78868	<300
2,4,5-TRICHLOROPHENOL UG/KG	78401	<300
2-NITROANILINE UG/KG	78299	<300
5-NITROANILINE UG/KG	78869	<300
DIBENZOFURAN UG/KG	75647	<300
4-NITROANILINE UG/KG	78870	<300
AZOBENZENE UG/KG		<300
CADMIUM MG/KG	01023	1.0
CHROMIUM MG/KG	01029	5.3
MERCURY MG/KG	71921	<0.25
MANGANESE MG/KG	01053	75

 * SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
 * ANALYTICAL SERVICES DIVISION LABORATORY REPORT

SAMPLE NUMBER : 1001870362
 CHARGE NUMBER : 02
 COLLECTED BY : J CAIN
 COUNTY : SUMTER
 SAMPLE DESCRIPTION : SUMTER INERT

FRIDAY JUNE 24TH, 1988
 RELEASE DATE : 06/24/88 14:13:32
 DT COLLECTED : 09/30/87 16:15:00
 SAMPLE MEDIUM : SED
 STATION CODE : SI-1

ANALYSIS

STORET RESULT

PAGE 4

NICKEL MG/KG	01068	<5.0
LEAD MG/KG	01052	1.5
PH S.U.	70510	8.6
TOTAL PHENOL UG/KG	32731	<1000
A-BHC UG/KG	39076	<2.0
B-BHC UG/KG	34257	<2.0
LINDANE UG/KG	39783	<2.0
HEPTACHLOR UG/KG	39413	<2.0
HEPTACHLOR EPOXIDE UG/KG	39423	<2.0
ALDRIN UG/KG	39333	<2.0
DIELDRIN UG/KG	39383	<2.0
ENDRIN UG/KG	39393	<2.0
METHOXYCHLOR UG/KG	39481	<2.0
P,P'-DDE UG/KG	39321	13.5
P,P'-DDD UG/KG	39311	14.9
P,P'-DDT UG/KG	39301	23.5
O,P'-DDE UG/KG	39325	<2.0
O,P'-DDD UG/KG	39316	<2.0
O,P'-DDT UG/KG	39306	<2.0
CHLORDANE UG/KG	39351	<2.0
TOXAPHENE UG/KG	39403	<2.0
ENDOSULFAN I UG/KG	34364	<2.0

 * SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL *
 * ANALYTICAL SERVICES DIVISION LABORATORY REPORT *

SAMPLE NUMBER : 1001870332
 CHARGE NUMBER : CE
 COLLECTED BY : J CAIN
 COUNTY : SUMTER
 SAMPLE DESCRIPTION : SUMTER INERT

FRIDAY JUNE 24TH, 1988
 RELEASE DATE : 06/24/88 14:13:32
 DT COLLECTED : 09/30/87 16:10:00
 SAMPLE MEDIUM : 120
 STATION CODE : SI-1

ANALYSIS

STORET RESULT

PAGE 5

ENDOSULFAN II UG/KG	34359	<2.0
ENDOSULFAN SULFATE UG/KG	34354	<2.0
ENDRIN ALDEHYDE UG/KG	34359	<2.0
PCB 1015 UG/KG	39514	<10.0
PCB 1221 UG/KG	39491	<10.0
PCB 1232 UG/KG	39495	<10.0
PCB 1242 UG/KG	39499	<10.0
PCB 1248 UG/KG	39503	4.3
PCB 1254 UG/KG	39507	<10.0
PCB 1260 UG/KG	39511	<10.0
PCB 1262 UG/KG	78453	<10.0
ETHION UG/KG	39599	<4.0
TRITHION UG/KG	39787	<4.0
GUTHION UG/KG	39581	<4.0
MALATHION UG/KG	39531	<4.0
PARATHION UG/KG	39541	<4.0
DIAZINON UG/KG	39571	<4.0
PHOSDRIN UG/KG	82643	<4.0
MIREX UG/KG	39758	<4.0
HCB UG/KG	39701	<4.0
TOTAL PCB UG/KG	39519	--
SELENIUM UG/KG	01143	<0.5
BENZENE UG/KG	34237	<20.0
MONOCHLOROMETHANE UG/KG	34380	<20.0
DICHLOROMETHANE UG/KG	34290	<20.0

 * SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL *
 * ANALYTICAL SERVICES DIVISION LABORATORY REPORT *

SAMPLE NUMBER : 1001070302
 CHARGE NUMBER : 05
 COLLECTED BY : J CAIN
 COUNTY : SUMTER
 SAMPLE DESCRIPTION : SUMTER INERT

FRIDAY JUNE 14TH, 1990
 RELEASE DATE : 06/24/88 14:13:30
 DT COLLECTED : 09/30/87 16:15:00
 SAMPLE MEDIUM : SED
 STATION CODE : SI-1

ANALYSIS

STORET RESULT

PAGE 3

BROMOMETHANE UG/KG		<20.0
CARBON TETRACHLORIDE UG/KG	34299	<20.0
CHLOROBENZENE UG/KG	34304	<20.0
CHLOROETHANE UG/KG	34314	<20.0
2-CHLOROETHYL VINYL ETHER UG/KG	34579	<20.0
CHLOROFORM UG/KG	34318	<20.0
CHLOROMETHANE UG/KG		<20.0
DIBROMOCHLOROMETHANE UG/KG	78195	<20.0
1,2-DICHLOROBENZENE UG/KG	34539	<20.0
1,3-DICHLOROBENZENE UG/KG	34569	<20.0
1,4-DICHLOROBENZENE UG/KG	34574	<20.0
1,1-DICHLOROETHANE UG/KG	34499	<20.0
1,2-DICHLOROETHANE UG/KG	34534	<20.0
1,1-DICHLOROETHENE UG/KG	34504	<20.0
TRANS-1,2-DICHLOROETHENE UG/KG	34549	<20.0
1,2-DICHLOROPROPANE UG/KG	34544	<20.0
CIS-1,3-DICHLOROPROPENE UG/KG	34702	<20.0
TRANS-1,3-DICHLOROPROPENE UG/KG	34697	<20.0
ETHYLBENZENE UG/KG	34374	<20.0
METHYLENE CHLORIDE UG/KG	34426	<20.0
1,1,2,2-TETRACHLOROETHANE UG/KG	34519	<20.0
TETRACHLOROETHENE UG/KG	34478	<20.0
TOLUENE UG/KG	34433	<20.0
1,1,1-TRICHLOROETHANE UG/KG	34509	<20.0
1,1,2-TRICHLOROETHANE UG/KG	34514	<20.0
TRICHLOROETHENE UG/KG	34417	<20.0
TRICHLOROFLUOROMETHANE UG/KG	34491	<20.0

 * SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL *
 * ANALYTICAL SERVICES DIVISION LABORATORY REPORT *

SAMPLE NUMBER : 1001870562
 CHARGE NUMBER : CE
 COLLECTED BY : J CAIN
 COUNTY : SUMTER
 SAMPLE DESCRIPTION : SUMTER INERT


FRIDAY JUNE 24TH, 1988
 RELEASE DATE : 06/24/88 14:15:30
 DT COLLECTED : 09/30/87 16:15:00
 SAMPLE MEDIUM : SED
 STATION CODE : SI-1

ANALYSIS	STORET	RESULT	PAGE 7
VINYL CHLORIDE UG/KG	14495	<20.0	

Ref 15

MEMORANDUM

TO: Sumter Inert Site File
SCD 981 474 729

FROM: Harvey S. Daniel 
Site Screening Section

SUBJECT: Hydrogeologic Characteristics

DATE: May 19, 1992

According to USGS topographical maps, the Sumter Inert Site is approximately two miles southwest of the Bobby Hanna Property site (renammed Old Sumter Municipal Landfill Site). The attached record of communication (conversation with Marion Feagin, SCDHEC, dated November 21, 1991) to the Bobby Hanna Property File is submitted to the Sumter Inert Site File for information.

SITE NAME: Bobby Hanna Property File
EPA ID NUMBER: SCD 987 584 158

RECORD OF COMMUNICATION

☐ Phone Call
☒ Discussion
☐ Field Trip
☐ Conference
☐ Other (Specify)

TO: Bobby Hanna Property File

FROM: Harvey S. Daniel
Site Screening Section

DATE: November 21, 1991

TIME: 1:15 PM

SUBJECT: Conversation with Marion Feagin, Hydrologist, Bureau of Solid & Hazardous Waste Management, SCDHEC. (803)734-4714.

SUMMARY OF COMMUNICATION:

Referring to the November 20, 1991 Preliminary Assessment - Hydrogeologic Review on the Bobby Hanna property, Ms. Feagin pointed out that it is not known if the Eocene-age deposits which acts as a confining bed is continuous throughout the four mile site radius.

CONCLUSIONS, ACTIONS TAKEN OR REQUIRED:


INFORMATION COPIES TO:

File

Ref. 18

MEMORANDUM

TO: Sumter Inert Site File
SCD 981 474 729

FROM: Harvey S. Daniel 
Site Screening Section

SUBJECT: City of Sumter Water System

DATE: May 18, 1992

The attached record of communication (conversation with Grady Grubs, City of Sumter Water Company, dated November 22, 1991) to the Bobby Hanna Property (renammed Old Sumter Municipal Landfill Site) File is submitted to the Sumter Inert Site File for information.

RECORD OF COMMUNICATION

 X Phone Call
 Discussion
 Field Trip
 Conference
 Other (Specify)

TO: Bobby Hanna Property
File
SCD 987 584 158

FROM: Harvey S. Daniel
Site Screening Section

DATE: November 22, 1991

TIME: 1:15 PM

SUBJECT: Conversation with Grady Grubs, Superintendent, City of
Sumter Water Company. (803)773-3977

SUMMARY OF COMMUNICATION

The City of Sumter is served by seventeen groundwater wells. Mr. Grubs will send a map showing the location of the wells. The water in the system is mixed. No well in the system supplies forty percent or more of the water. The only other public water system that the city serves is the community of Oswego. Mr. Grubs concurred that the system serves approximately 16,343 residential taps as indicated in the SCDHEC's Inventory of Public Water Supply Systems. These include the taps in the Oswego Community.

CONCLUSIONS, ACTION TAKEN OR REQUIRED


INFORMATION COPIES

TO:

Ref. 19

MEMORANDUM

TO: Sumter Inert Site File
SCD 981 474 729

FROM: Harvey S. Daniel 
Site Screening Section

SUBJECT: Location of City of Sumter Wells

DATE: May 18, 1992

Based on the geographical coordinates of the Sumter Inert Site (33 degrees, 54 minutes, 15.8 seconds north latitude; and 080 degrees, 21 minutes, 38.6 seconds west longitude) and the geographical coordinates for the City of Sumter wells (see attached record of communication (conversation with Grady Grubbs, City of Sumter Water Company, dated December 20, 1991) to the Bobby Hanna Property (renamed Old Sumter Municipal Landfill Site) File), a City of Sumter map, and USGS topographical maps, the locations of the City of Sumter wells are given below.

<u>Well Number</u>	<u>Distance From Site (miles)</u>
1	2.10
2	1.96
3	1.98
4	2.04
5	2.24
6	2.01
7	2.18
8	2.92
9	2.78
10	2.82
11	2.72
12	3.04
13	0.77
14	0.69
15	0.66
16	3.40*
17	3.40*

*Distance based on City of Sumter map and USGS topographical maps.

RECORD OF COMMUNICATION

☒ Phone Call
☐ Discussion
☐ Field Trip
☐ Conference
☐ Other (Specify)

TO: Bobby Hanna Property
File
SCD 987 584 158

FROM: Harvey S. Daniel
Site Screening Section

DATE: December 20, 1991

TIME: 3:20 PM

SUBJECT: Conversation with Grady Grubs, Superintendant, City of
Sumter Water Company. (803)773-3977

SUMMARY OF COMMUNICATION

Referring to the sheets giving the latitudes and longitudes of the wells in the City of Sumter's Water System (see attachments), Mr. Grubs acknowledged that he sent only fifteen sheets. The two wells on which sheets were not sent are located at water plant #5 on W. Wesmary Blvd [more than four miles northwest of the Bobby Hanna Property site].

CONCLUSIONS, ACTION TAKEN OR REQUIRED

INFORMATION COPIES

TO:

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
Page 2
Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renumber
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/24/90

GROUNDWATER SOURCE INFORMATION:

Source ID: 643101
Description 1: WELL ONE (Sumter 1)
Description 2:
Receiving Plant: WTR PLANT #1
Plant ID: 643

Availability Code P
Latitude 335608
Longitude 0802047
Source Code 6

WELL CHARACTERISTICS:

Depth (FT) 550
Type 3
Casing Diameter (IN) 12"
Casing Type 5
Yield (GPM) 1250
Drawdown - 24 Hours
(FT from surface) 0.0139
Static Level
(FT from surface) 0.073
Regulated Capacity (TGD)
(Well yield X 1000 min./day) 1200

WELL PUMP CHARACTERISTICS:

Manufacturer: LYNE
Model No.:
H.P. 0.0100
Type T
Yield (GPM) 1250
Avg. Daily
Production (TGD) 2/11 0.00

Treatment:

COMMENTS

RECEIVED

DEC 19 1991

S. C. Dept. of Health & Environmental
Control - Bureau of Solid & Hazardous
Waste Management

Signature: James L. Houston

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
Page 3
Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renumber
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/27/90

GROUNDWATER SOURCE INFORMATION:

Source ID: G43102
Description 1: WELL TWO (SUMTER # 3)
Description 2:
Receiving Plant: WATER PLANT 4
Plant ID:

Availability Code P
Latitude 335601
Longitude 0802050
Source Code G

WELL CHARACTERISTICS:

Depth (FT) 0
Type 23
Casing Diameter (IN) 12
Casing Type S
Yield (GPM) 1500
Drawdown - 24-Hour 6425,
(FT from surface) 0:0 140
Static Level
(FT from surface) 0:0 78
Regulated Capacity (TGD)
(Well yield X 1000 min./day) 1440
0.00

WELL PUMP CHARACTERISTICS:

Manufacturer: LYNX
Model No.:
H.P. 0:0 100
Type 7
Yield (GPM) 1500
Avg. Daily
Production (TGD) 1417 0.00

Treatment:

COMMENTS

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
Page 4
Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renumber
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/29/90

GROUNDWATER SOURCE INFORMATION:

Source ID: 643103
Description 1: WELL THREE (Sumter #4)
Description 2: WATER PLANT #1
Receiving Plant:
Plant ID:

Availability Code P
Latitude 335604
Longitude 0802057
Source Code G

WELL CHARACTERISTICS:

Depth (FT) 64
Type 3
Casing Diameter (IN) 10
Casing Type S
Yield (GPM) 50
Drawdown - 24 Hours
(FT from surface) 153
Static Level
(FT from surface) 75
Regulated Capacity (TGD) 1104
(Well yield X 1000 min./day) 0.00

WELL PUMP CHARACTERISTICS:

Manufacturer: LAYNE
Model No.: 100
H.P. 0.0
Type T
Yield (GPM) 1152
Avg. Daily
Production (TGD) 0.00

Treatment:

COMMENTS

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
Page 5
Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renumber
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/29/90

GROUNDWATER SOURCE INFORMATION:

Source ID: G43104
Description 1: WELL FOUR (SUMTER # 5)
Description 2: WATER PLANT #1
Receiving Plant:
Plant ID:

Availability Code P
Latitude 335553
Longitude 0802033
Source Code 6

WELL CHARACTERISTICS:

Depth (FT) 600
Type 3
Casing Diameter (IN) 12
Casing Type 5
Yield (GPM) 1500
Drawdown - 24 Hours
(FT from surface) 40-162
Static Level
(FT from surface) 40-73
Regulated Capacity (TGD)
(Well yield X 1000 min./day) 1440
400

WELL PUMP CHARACTERISTICS:

Manufacturer: Lititz
Model No.:
H.P. 40-125
Type T
Yield (GPM) 1500
Avg. Daily
Production (TGD) 0.00

Treatment:

COMMENTS

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
Page 6
Public Water Supply Source / Plant Inventory

() Add
☒ Modify
() Renumber
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/29/90

GROUNDWATER SOURCE INFORMATION:

Source ID: G43105
Description 1: WELL FIVE (SUMTER #1)
Description 2: WATER PLANT #2
Receiving Plant:
Plant ID:

Availability Code
Latitude 335502
Longitude 0801917
Source Code 6

WELL CHARACTERISTICS:

Depth (FT) 0
Type
Casing Diameter (IN)
Casing Type
Yield (GPM)
Drawdown - 24 Hour
(FT from surface) 0.0
Static Level
(FT from surface) 0.0
Regulated Capacity (TGD)
(Well yield X 1000 min./day) 0.00

WELL PUMP CHARACTERISTICS:

Manufacturer:
Model No.:
H.P. 0.0
Type
Yield (GPM) 0
Avg. Daily
Production (TGD) 0.00

Treatment:

COMMENTS Well cannot be used

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
Page 7
Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renumber
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/29/90

GROUNDWATER SOURCE INFORMATION:

Source ID: 643106
Description 1: WELL SIX (SUMTER # 2)
Description 2: Water Plant # 2
Receiving Plant:
Plant ID:

Availability Code P
Latitude 335457
Longitude 0801930
Source Code G

WELL CHARACTERISTICS:

Depth (FT) 620
Type 3
Casing Diameter (IN) 10
Casing Type 5
Yield (GPM) 0
Drawdown - 24 Hour
(FT from surface) 0.0
Static Level
(FT from surface) 0.0
Regulated Capacity (TGD) 1344
(Well yield X 1000 min./day) 0.00

WELL PUMP CHARACTERISTICS:

Manufacturer: Layne
Model No.:
H.P. 0.0 100
Type T
Yield (GPM) 140
Avg. Daily
Production (TGD) 0.00

Treatment:

COMMENTS

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
Page 10
Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renumber
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/29/90

GROUNDWATER SOURCE INFORMATION:

Source ID: G43109
Description 1: WELL NINE (Sumter #2)
Description 2: WATER PLANT 3
Receiving Plant:
Plant ID:

Availability Code P
Latitude 335151
Longitude 0802247
Source Code G

WELL CHARACTERISTICS:

Depth (FT) 694
Type 3
Casing Diameter (IN) 12
Casing Type S
Yield (GPM) 768
Drawdown - 24 Hours
(FT from surface) 20202
Static Level
(FT from surface) 9.878
Regulated Capacity (TGD) 737.28
(Well yield X 1000 min./day) 0.00

WELL PUMP CHARACTERISTICS:

Manufacturer: LAYNE
Model No.:
H.P. 0.0 100
Type T
Yield (GPM) 768
Avg. Daily
Production (TGD) 0.00

Treatment:

COMMENTS This well is out of service for repairs

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
Page 9
Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renuaber
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/29/90

GROUNDWATER SOURCE INFORMATION:

Source ID: G43108
Description 1: WELL EIGHT (SUMTER # 1)
Description 2: water plant # 3
Receiving Plant:
Plant ID:

Availability Code P
Latitude 335146
Longitude 0802256
Source Code 6

WELL CHARACTERISTICS:

Depth (FT) 681
Type 3
Casing Diameter (IN) 10
Casing Type S
Yield (GPM) 1107
Drawdown - 24 Hour
(FT from surface) 0.0
Static Level
(FT from surface) 0.0
Regulated Capacity (TGD)
(Well yield X 1000 min./day) 1062.72
~~0.00~~

WELL PUMP CHARACTERISTICS:

Manufacturer: Layne
Model No.:
H.P. 100
Type T
Yield (GPM) 1107
Avg. Daily
Production (TGD) 0.00

Treatment:

COMMENTS

Signature: James L. Houston

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
Page 8
Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renumber
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/29/90

GROUNDWATER SOURCE INFORMATION:

Source ID: 643107
Description 1: WELL SEVEN (SUMTER # 3)
Description 2: WATER PLANT 2
Receiving Plant:
Plant ID:

Availability Code P
Latitude 335506
Longitude 0801923
Source Code G

WELL CHARACTERISTICS:

Depth (FT) N/A 0
Type 3
Casing Diameter (IN) 10
Casing Type S
Yield (GPM) 1400
Drawdown - 24 Hour
(FT from surface) N/A 0.0
Static Level
(FT from surface) N/A 0.0
Regulated Capacity (TGD)
(Well yield X 1000 min./day) 1584,
..... 0.00

WELL PUMP CHARACTERISTICS:

Manufacturer: Layne
Model No.: N/A
H.P. 0.0/100
Type S
Yield (GPM) 1450
Avg. Daily
Production (TGD) 0.00
Treatment:

COMMENTS

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
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Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renumber
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/29/90

GROUNDWATER SOURCE INFORMATION:

Source ID: 643110
Description 1: WELL TEN (Sumter #3)
Description 2: WATER PLANT #3
Receiving Plant:
Plant ID:

Availability Code P
Latitude 335153
Longitude 0802259
Source Code G

WELL CHARACTERISTICS:

Depth (FT) 678
Type 3
Casing Diameter (IN) 12
Casing Type S
Yield (GPM) 1150
Drawdown - 24 Hours
(FT from surface) 0:0 240
Static Level
(FT from surface) 0:0 82
Regulated Capacity (TGD)
(Well yield X 1000 min./day) 841.84
0.00

WELL PUMP CHARACTERISTICS:

Manufacturer: LYNE
Model No.:
H.P. 0:0 100
Type T
Yield (GPM) 0 924
Avg. Daily
Production (TGD) 0.00

Treatment:

COMMENTS

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
Page 12
Public Water Supply Source / Plant Inventory

() Add
(☒) Modify
() Renumber
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/29/90

GROUNDWATER SOURCE INFORMATION:

Source ID: G43111
Description 1: WELL ELEVEN (SUMTER # 4)
Description 2: WATER PLANT # 3
Receiving Plant:
Plant ID:

Availability Code P
Latitude 335152
Longitude 0802240
Source Code 6

WELL CHARACTERISTICS:

Depth (FT) 0
Type 3
Casing Diameter (IN) 10
Casing Type S
Yield (GPM) 1265
Drawdown - 24 Hour
(FT from surface) 0.0 / 88
Static Level
(FT from surface) 0.0 88
Regulated Capacity (TGD)
(Well yield X 1000 min./day) 1142.40
0.00

WELL PUMP CHARACTERISTICS:

Manufacturer: LAYNE
Model No.:
H.P. 0.0 100
Type T
Yield (GPM) 1190
Avg. Daily
Production (TGD) 0.00

Treatment:

COMMENTS

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
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Public Water Supply Source / Plant Inventory

14
25
() Add
(X) Modify
() Renumber
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/29/90

GROUNDWATER SOURCE INFORMATION:

Source ID: 643112
Description 1: WELL TWELVE (SUMTER #5)
Description 2: WATER PLANT 3
Receiving Plant:
Plant ID:

Availability Code P
Latitude 335139
Longitude 0802255
Source Code G

WELL CHARACTERISTICS:

Depth (FT) 714
Type 3
Casing Diameter (IN) 12
Casing Type S
Yield (GPM) 850
Drawdown - 24 Hour (1/2 hours)
(FT from surface) 260
Static Level
(FT from surface) 110
Regulated Capacity (TGD)
(Well yield X 1000 min./day) 1008
0.00

WELL PUMP CHARACTERISTICS:

Manufacturer: LAYNE
Model No.:
H.P. 125
Type T
Yield (GPM) 1050
Avg. Daily
Production (TGD) 0.00
Treatment:

COMMENTS

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
Page 16
Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renumber
() Delete

Reason: 8/8
Today's Date: 9/6/90

System Number: 4310001 Name: SUMTER, CITY OF

GROUNDWATER SOURCE INFORMATION:

Source ID: G43115
Description 1: WELL FIFTEEN (SUMTER #3)
Description 2: WATER PLANT #4
Receiving Plant:
Plant ID:

Availability Code P
Latitude 335331
Longitude 0802140
Source Code G

WELL CHARACTERISTICS:

Depth (FT) 635
Type 3
Casing Diameter (IN) 4 1/2
Casing Type S
Yield (GPM) 0
Drawdown - 24 Hour
(FT from surface) 0.0
Static Level
(FT from surface) 40 17.1
Regulated Capacity (TGD) 1440
(Well yield X 1000 min./day) 0.00

WELL PUMP CHARACTERISTICS:

Manufacturer:
Model No.:
H.P. 0.0 125
Type T
Yield (GPM) 1522
Avg. Daily
Production (TGD) 0.00

Treatment:

COMMENTS

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
Page 14
Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renumber
() Delete

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/30/90

GROUNDWATER SOURCE INFORMATION:

Source ID: G43113
Description 1: WELL THIRTEEN (SUMTER #1)
Description 2: WATER PLANT #4
Receiving Plant:
Plant ID:

Availability Code P
Latitude 335328
Longitude 0802159
Source Code G

WELL CHARACTERISTICS:

Depth (FT) 640
Type 3
Casing Diameter (IN) 8 1/2
Casing Type S
Yield (GPM) 2100
Drawdown - 24 Hour
(FT from surface) 40.13/79
Static Level
(FT from surface) 40.51/93
Regulated Capacity (TGD)
(Well yield X 1000 min./day) 1440

WELL PUMP CHARACTERISTICS:

Manufacturer: LAYNE
Model No.:
H.P. 125
Type T
Yield (GPM) 1500
Avg. Daily
Production (TGD) 0.00

Treatment:

COMMENTS

S. C. Department of Health and Environmental Control
Bureau of Drinking Water Protection
01/01/80
Page 15
Public Water Supply Source / Plant Inventory

() Add
(X) Modify
() Renumber
() Delete

24
25

Reason: S/S

System Number: 4310001 Name: SUMTER, CITY OF

Today's Date: 07/30/90

GROUNDWATER SOURCE INFORMATION:

Source ID: 4310001
Description 1: WELL FOURTEEN (SUMTER #2)
Description 2: WATER PLANT #4
Receiving Plant:
Plant ID:
Availability Code P
Latitude 335330
Longitude 0802149
Source Code 6

WELL CHARACTERISTICS:

Depth (FT) 694
Type
Casing Diameter (IN) 0
Casing Type
Yield (GPM) 0
Drawdown - 24 Hour
(FT from surface) 0.0 / 15.51
Static Level
(FT from surface) 0.0 37.10
Regulated Capacity (TGD)
(Well yield X 1000 min./day) 1440.00
0.00

WELL PUMP CHARACTERISTICS:

Manufacturer: LOTHE
Model No.:
H.P. 0.0 / 25
Type T
Yield (GPM) 1500
Avg. Daily
Production (TGD) 0.00

Treatment:

COMMENTS

Signature: James L. Houston

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Environmental Quality Control
Analytical Services Data Sheet for Solid Waste and Hydrology

RECEIVED
SEP 1 1991
Ref. 20
CHIEF, Environmental Quality Control
Department of Health and Env. Control

Sample Location Boles St LF County Sumter
Sample Type Ground-water Comments Solid Results to Ground-Water Protection Div.
Date 6-24-81 Collected by Kirk - Feller An "X" in the small column indicates test requested

Time Collected (Milit.)	1115	1345				1345	
Sample Point	B-2	M. Well 1				B-2	M. Well 1
Lab No.	H 177	178			H 177	178	
H ₂ -N, mg/l					Calcium		
O ₃ /NO ₂ -N, mg/l					Magnesium		
XN					Sodium		
nitrite, N, mg/l					Potassium		
-P,					Arsenic		
Hardness, mg/l					Barium		
l, mg/l	X 130	X 55			Cadmium	X 0.010	X 0.010
O ₄ mg/l					Chromium	X 0.15	X 0.10
Flashpoint, °F					Copper		
Solids, Total, mg/l					Iron	X 120	X 130
Solids, Tot. Diss, mg/l	X 390	X 910			Lead	X 0.85	X 0.22
Solids, %					Manganese		
pH					Mercury		
Alkalinity mg/l	X 23	X 800			Nickel		
Fluoride, mg/l					Selenium		
DOC	X 61	X 310			Silver		
Phenols, µg/l					Zinc		
COD							
Cyanide, mg/l						ng/l	ng/l
MBAS, mg/l					Remarks:		

Date Received in Regional Laboratory _____ by _____
Date Released from Regional Laboratory _____ by _____
Date Received in Central Laboratory 6-29-81 by APM
Date Released from Spec & A. A. Section 8/31/81 by CR Zimmerman
Date Released from Metals Section 8/31/81 by APMouchet

Sample Location Cook's Street L.F. County Sumter
Sample Type Ground Water Comments Send Results To Ground Wt. Protection Div
Date 6/29/81 Collected By FALLER/KNOX An "X" in the small column indicates test requested.

RECEIVED

~~JUL 2 5 198~~

Office of Environmental & Est. Control
S. C. Dept. of Health & Env. Control

Date Received in Regional Laboratory _____ By _____
Date Released from Regional Laboratory _____ By _____
Date Received in Central Laboratory 6-29-81 By SPM
Date Released from Organic Section 7/22/81 By DeWitt

EQC/ASD:90

White - Program; Pink - Program; Yellow - Lab

Ref. 24

SOIL SURVEY OF
Florence and Sumter
Counties, South Carolina



United States Department of Agriculture
Soil Conservation Service
In cooperation with
South Carolina Agricultural Experiment Station

Issued September 1974

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sandy loam or sandy clay loam. Few to common mottles of higher chroma generally are present.

Pantego soils are associated with Norfolk, Goldsboro, Duplin, Lynchburg, Coxville, Rains, and Rutlege soils. Pantego soils have a thicker black surface layer and are more poorly drained than Norfolk, Goldsboro, Duplin, Lynchburg, Coxville, and Rains soils. They are finer textured throughout than Rutlege soils.

Pantego loam (Pa).—This is the only Pantego soil mapped in the survey area. It is in slight depressions along drainage-ways, in oval-shaped bays, and at the head of draws.

Included with this soil in mapping are small areas of Rains, Coxville, and Rutlege soils; small areas of soils that are more than 35 percent clay in the subsoil; areas of soils that have a sandy loam subsoil; and some areas where the surface layer is sandy loam or fine sandy loam. Also included are areas of soils that have a combined surface layer and subsoil 40 to 60 inches thick.

Tilth is fair on this soil. Crops respond well to fertilizer and lime.

About 80 percent of the soil is wooded, and about 20 percent is drained and is cultivated or in pasture. Principal crops are corn, soybeans, oats, and pasture grasses. Drainage is required for the production of crops. Capability unit IIIw-4; woodland group 1w9.

Pocalla Series

The soils of the Pocalla series are nearly level to gently sloping, deep, and well drained. They formed in loamy Coastal Plain sediment.

In a representative profile the surface layer is dark grayish-brown sand about 7 inches thick. The subsurface layer is light yellowish-brown sand about 20 inches thick. The next layer is strong-brown sandy loam about 14 inches thick. Below this layer is yellow loamy sand about 21 inches thick. The next layer, which extends to a depth of 75 inches, is mottled, yellowish-brown sandy clay loam.

Pocalla soils are low in content of organic matter. Permeability is moderate to moderately rapid. Runoff is slow, and available water capacity is low to medium.

Representative profile of Pocalla sand, 0 to 4 percent slopes, in city of Sumter, 200 feet east of junction of Laurel and Lafayette Streets, and 50 feet south of Laurel Street:

- Ap—0 to 7 inches, dark grayish-brown (10YR 4/2) sand; weak, medium, granular structure; loose; many small roots; medium acid (pH 5.8); abrupt, smooth boundary.
- A2—7 to 27 inches, light yellowish-brown (10YR 6/4) sand; weak, medium, granular structure; loose; many small roots; medium acid (pH 5.6); clear, smooth boundary.
- B2t—27 to 41 inches, strong-brown (7.5YR 5/8) sandy loam; weak, medium, subangular blocky structure; very friable; many small roots; sand grains bridged with clay; strongly acid (pH 5.2); gradual, wavy boundary.
- A'2—41 to 62 inches, yellow (10YR 7/6) loamy sand; single grained; loose; many streaks and pockets of clean light-gray (10YR 7/1) sand grains; strongly acid (pH 5.4); clear, wavy boundary.
- B't—62 to 75 inches, yellowish-brown (10YR 5/8) sandy clay loam; few, fine and medium, distinct, strong-brown (7.5YR 5/8), yellowish-red (5YR 4/8), and red (2.5Y 4/8) mottles; weak, medium, subangular blocky structure; friable; very strongly acid (pH 4.9).

The solum is more than 70 inches thick.

The A horizon ranges from 21 to 36 inches in thickness. Reaction is medium acid to strongly acid. The Ap or A1 horizon commonly is dark grayish brown or grayish brown. The A2 horizon is pale-brown, light yellowish-brown or very pale brown sand or loamy sand 13 to 29 inches thick. Reaction in the B horizon is strongly acid to very strongly acid. The B2t horizon is yellowish-brown or strong-brown sandy loam or sandy clay loam 8 to 15 inches thick. In places there is a B3 horizon that is commonly yellowish-brown or strong-brown sandy loam or loamy sand 6 to 12 inches thick. The A'2 horizon is at a depth of 35 to

50 inches. This horizon commonly is 13 to 24 inches thick but ranges from 8 to 30 inches. It is very pale brown, pale-brown, brownish-yellow, or reddish-yellow sand or loamy sand. The B't horizon is sandy clay loam or sandy loam that commonly has mottles of brown, yellow, red, and gray, but in places it is dominantly yellowish brown. This horizon extends to a depth of more than 72 inches. A few plinthite nodules are in this horizon in places, but they make up less than 5 percent of any subhorizon less than 60 inches from the surface.

Pocalla soils are associated with Norfolk, Brogdon, Wagram, Troup, Lakeland, and Goldsboro soils. They have thicker surface and subsurface layers than Norfolk, Brogdon, and Goldsboro soils, and they have A'2 horizons that are lacking in Wagram and Troup soils. Pocalla soils have Bt horizons; Lakeland soils do not.

Pocalla sand, 0 to 4 percent slopes (PIB).—This is the only Pocalla soil mapped in the survey area. Included in mapping are small areas of Brogdon, Wagram, and Troup soils; a few small areas of moderately well drained soils that are bisequel; and a few areas, less than 4 acres in size, of poorly drained soils, which are shown on the map by wet spot symbols. Also included are a few small areas of soils that are 5 to 15 percent plinthite at depths between 50 and 60 inches.

This soil is easy to till soon after rainfall. Crops respond well to fertilizer and limes.

About 70 percent of the acreage is in row crops or pasture. The rest is wooded. Principal crops are watermelons, sweet potatoes, Coastal bermudagrass, bahiagrass, and sericea lespedeza. Soil blowing is a hazard on some of the larger fields. Capability unit IIs-1; woodland group 3s2.

Ponzer Series

The soils of the Ponzer series are organic, and they are nearly level and very poorly drained. They formed in fresh water in woody material.

In a representative profile the surface layer is very dark brown organic material about 22 inches thick. The underlying material, to a depth of 72 inches, consists of layers of loamy sand or clay loam and alternating layers of sand.

Ponzer soils are very high in content of organic matter. Permeability is slow; it is restricted by a high water table. Runoff is very slow, and ponding occurs throughout the year. Available water capacity is medium.


Representative profile of Ponzer soils in Sumter County, about 2 miles northeast of Turbeville, 1 1/2 miles northwest of the southern lip in about the center of Dial Bay:

- Oa1—0 to 22 inches, very dark brown (10YR 2/2) sapric material; less than 5 percent fiber; massive; friable; many fine and medium roots and pores; very strongly acid (pH 4.5); clear, wavy boundary.
- IIC1—22 to 29 inches, pale-brown (10YR 6/3) loamy sand; weak, fine, subangular blocky structure; friable; common fine roots and pores; very strongly acid (pH 4.8); clear, smooth boundary.
- IIC2—29 to 35 inches, very pale brown (10YR 7/3) sand that has pockets of clean white sand; single grained; loose; few fine roots; strongly acid (pH 5.1); abrupt, wavy boundary.
- IIIC3—35 to 43 inches, black (10YR 2/1) clay loam; massive; firm; many fine and medium partly decomposed roots; few fine pores; very strongly acid (pH 4.6); abrupt, wavy boundary.
- IVC4—43 to 49 inches, grayish-brown (10YR 5/2) sand; single grained; loose; few partly decomposed roots; very strongly acid (pH 4.9); abrupt, wavy boundary.
- VC5—49 to 53 inches, black (10YR 2/1) clay loam; massive; firm; many fine and medium partly decomposed roots; very strongly acid (pH 4.6); abrupt, wavy boundary.
- VIC6—53 to 63 inches, light-gray (10YR 7/2) sand; single grained; loose; very strongly acid (pH 4.9); abrupt, wavy boundary.
- VIIC7—63 to 72 inches, black (10YR 2/1) clay loam; massive; firm; many fine and medium partly decomposed roots; strongly acid (pH 5.1).

Reaction is strongly acid to extremely acid throughout the profile. The organic layer is 16 to about 30 inches thick. Fiber content is less

MEMORANDUM

TO: Sumter Inert Site File
SCD 981 474 729

FROM: Harvey S. Daniel 
Site Screening Section

SUBJECT: Surface Water Pathway Characteristics

DATE: May 19, 1992

According to USGS topographical maps, the Sumter Inert Site is situated in the Green Swamp. At the point where the site is situated in the swamp, the Pocataligo River flows through the swamp. Also, the site is located approximately two miles southwest of the Bobby Hanna Property site (renammed Old Sumter Municipal Landfill Site). The attached record of communication (conversation with Chris Sample, South Carolina Wildlife & Marine Resources Department, dated December 30, 1991) to the Bobby Hanna Property File is submitted to the Sumter Inert Site File for information.

RECORD OF COMMUNICATION

 X Phone Call
 Discussion
 Field Trip
 Conference
 Other (Specify)

TO: Bobby Hanna Property
File
SCD 987 584 158

FROM: Harvey S. Daniel
Site Screening Section

DATE: December 30, 1991

TIME: 4:10 PM

SUBJECT: Conversation with Chris Sample, District VII, South
Carolina Wildlife & Marine Resources Department.
(803)661-4766

SUMMARY OF COMMUNICATION

Fishing has not been documented in Turkey Creek within fifteen miles downstream of the Bobby Hanna Property site. There is fishing in the Pocotaligo River within fifteen miles downstream of the site. Mr. Sample categorizes Turkey Creek as having an average annual flow less than 10 cubic feet per second. He categorizes that portion of the Pocotaligo River within fifteen miles downstream of the site as having an average annual flow between 10 and 100 cubic feet per second.

CONCLUSIONS, ACTION TAKEN OR REQUIRED

INFORMATION COPIES

TO:

South Carolina
STATE WATER ASSESSMENT

Report No. 140

H. Stephen Snyder
Project Manager

Steven J. de Kozlowski
Assistant Project Manager
and Project Biologist

Joseph A. Harrigan
Project Engineer

H. Thomas Shaw
Project Cartographer

Freddie L. Collins
Civil Engineer Associate

Teresa W. Greaney
Project Geologist

Mable K. Haralson
Public Information Director

George E. Siple
Consulting Hydrogeologist

Debra L. Miller
Engineering Technician

South Carolina Water Resources Commission
3830 Forest Drive, P.O. Box 4440
Columbia, South Carolina 29240

September 1983

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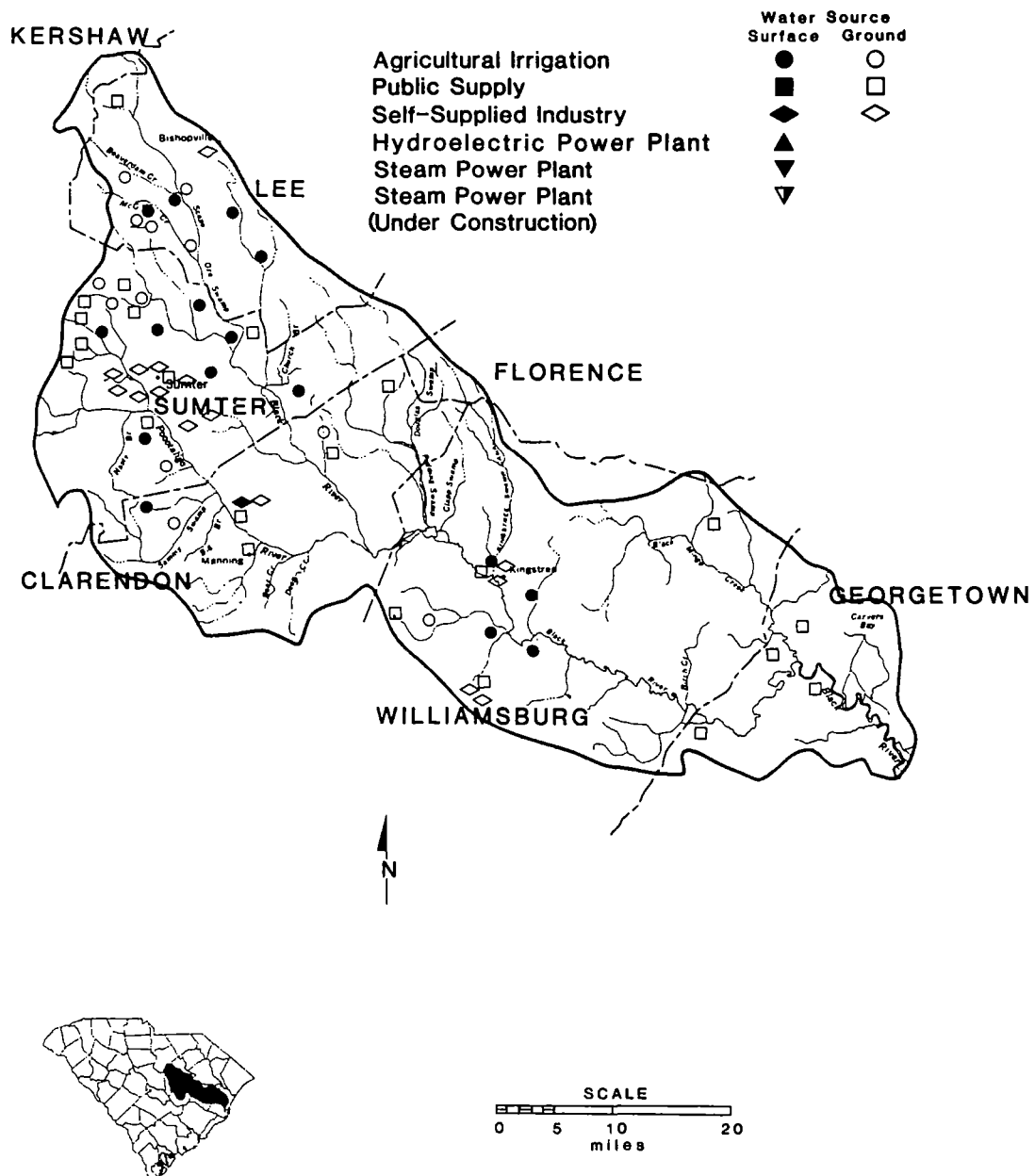


Figure 57.
Location, type, and supply source of water users in the Black River Sub-basin, South Carolina.

Date: 07/02/92

Ref. 28

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL
BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED SUMTER INERT SITE, 335415.8 LATITUDE 802138.6 LONGITUDE
THE ENDANGERED SPECIES FOUND WITHIN 4 MILES

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. HERITAGE TRUST FOUNDATION (01/92).

COMMON NAME SCIENTIFIC NAME	STATUS	LONGITUDE LATITUDE	DISTANCE FROM SITE	GRANK SRANK	DATE ADDED	TOPO MAP / COUNTY WHERE THE SPECIES IS LOCATED
MINED MEADOWBEAUTY LIXIA ARISTOSA	CU	80-24-37 33-55-55	3.43 Miles WNW	G2 S2	01/01/83	SUMTER Sumter
RED-COCKADED WOODPECKER PICOIDES BOREALIS	FE	80-17-42 33-54-47	3.83 Miles ENE	G2 S2	02/01/80	SUMTER Sumter
DEPRESSION MEADOW	UN	80-24-37 33-55-55	3.43 Miles WNW	G3 S2	07/01/76	SUMTER Sumter
BOYKIN'S LOBELIA LOBELIA BOYKINII	UN	80-24-37 33-55-55	3.43 Miles WNW	G2 S?	05/01/77	SUMTER Sumter

GRANK/SRANK - Nature Conservancy rating:

- G1 - Critically imperiled globally because of extreme rarity or because of some factor(s) making it especially vulnerable to extinction.
- G2 - Imperiled globally because of rarity or factor(s) making it vulnerable.
- G3 - Either very rare throughout its range or found locally in a restricted range, or having factors making it vulnerable.
- G4 - Apparently secure globally, though it may be rare in parts of its range.
- G5 - Demonstrably secure globally, though it may be rare in parts of its range.
- S1 - Critically imperiled state-wide because of extreme rarity or because of some factor(s) making it especially vulnerable to extirpation.
- S2 - Imperiled state-wide because of rarity or factor(s) making it vulnerable.
- S3 - Rare or uncommon in state.
- S4 - Apparently secure in state.
- S5 - Demonstrably secure in state.

STATUS - Legal status:

- FE - Federal Endangered
- FT - Federal Threatened
- NC - Of Concern, National (plants)
- RC - Of Concern, Regional (plants)
- SE - State Endangered (animals)
- ST - State Threatened (animals)
- SC - Of Concern, State (animals)
- SL - Of Concern, State (plants)
- SX - State Extirpated
- CU - Candidate (Federal review)
- UN - Undetermined

Ref. 30

MEMORANDUM

FROM: Harvey S. Daniel
Site Screening Section

TO: Sumter Inert Site File
SCD 981 474 729

RE: Four Mile Site Radius Population

DATE: July 2, 1992

The attached documents are submitted to the Sumter Inert Site file for information.

attachments:

From: Craig Dukes (DUKES_CR)

To: COLE_ROB, CRESS_JO, DANIE_HA, GEORG_JO, MCINN_JO,...

Date: Wednesday, April 1, 1992 4:40 pm

Subject: Site Census Data

Patrick Horton In EQC administration now has the 1990 census tract data on his GIS computer system. This gives him the capability to generate total population counts by distance rings around our sites. **THIS WILL BE EXTREMELLY USEFUL FOR THE HRS AIR PATWAY.** The data should very accurate, especially beyond the 1/2 mile radius. Accuracy will increase the closer you are to a city or town because the census tract areas are smaller (down to a city block) and may be accurate enough for **SOIL EXPOSURE PATHWAY** in metropolitan areas.

All he needs is a Topographic Map with the site pinpointed. For Large sites, sketch in the site outline and the data will be adjusted accordingly. He will can generate a report that can be attached as reference material to our reports.

For the sake of Consistency, this should probably be done on all sites. Patrick can have the info ready in a few hours.

Currently, he is located in the ADMIN office area, but will be moving to the 2nd floor. I'll let everyone know where he ends up so you can take the maps down.

From: Patrick Horton (PLHORTON)
To: SH_WASTE:DANIE_HA
Date: Friday, June 26, 1992 4:58 pm
Subject: Sumter Inert Site

Radii	Est. Population
3 - 4	12,053
2 - 3	19,060
1 - 2	14,253
.50 - 1	5,100
.25 -.50	725
0 -.25	114
TOTAL	51,305

Sumter Inert Site Sumter County, S.C.



Estimated Pop.

$$0 - .25 \text{ miles} = 114$$

$$.25 - .50 \text{ miles} = 725$$

$$.50 - 1 \text{ mile} = 5100$$

$$1 - 2 \text{ miles} = 14253$$

$$2 - 3 \text{ miles} = 19060$$

$$3 - 4 \text{ miles} = 12053$$

$$\text{total} = 51305$$